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 AX454670.1 GI:21713959
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 ORGANISM
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 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE
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 AUTHORS
 Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A.,
 Godowski, P.J., Gurney, A.L., Hillan, K.J., Marsters, S.A., Pan, J.,
 Paoni, N.F., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I.
 and Ye, W.
 TITLE
 Compositions and methods for the diagnosis and treatment of
 disorders involving angiogenesis
 JOURNAL
 Patent: WO 0208284-A 255 31-JAN-2002;
 Genentech, Inc. (US); Baker, Kevin P. (US); Ferrara, Napoleone
 (US); Gerber, Hanspeter (US); Gerritsen, Mary E. (US); Goddard,
 Audrey (US); Godowski, Paul J. (US); Gurney, Austin L. (US);
 Hillan, Kenneth J. (US); Marsters, Scot A. (US); Pan, James (US);
 Paoni, Nicholas F. (US); Stephan, Jean-Philippe F. (US); Watanabe,
 Watanabe, Colin K. (US); Williams, P. Mickey (US); Wood, William
 I. (US)
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 Sequence 255 from Patent WO020690.
 AX491148
 ACCESSION
 AX491148.1 GI:22323911
 VERSION
 KEYWORDS
 SOURCE
 Homo sapiens (human)
 ORGANISM
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE
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 AUTHORS
 Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A.,
 Godowski, P.J., Gurney, A.L., Hillan, K.J., Marsters, S.A., Pan, J.,
 Paoni, N.F., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I.
 and Ye, W.
 TITLE
 Compositions and methods for the diagnosis and treatment of
 disorders involving angiogenesis

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VERSION	BD223456.1			GI:33033226				
KEYWORDS	JP 2002518010-A/59.							
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ORGANISM	Homo sapiens							
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.							
AUTHORS	1 (bases 1 to 1161)							
	Ruben,S.M., Ni,J.J., Rosen,C.A., Wei,Y.F., Young,P.E., Florence,K.A., Soppet,D.R., Brewer,L.A., Endress,G.A., Carter,K.C., Mucenski,M., Ebner,R., Lafleur,D.W., Olsen,H.S., Shi,Y., Moore,P.A. and Komatsoulis,G.							
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JOURNAL	Patent: JP 2002518010-A, 59 25-JUN-2002;							
COMMENT	HUMAN GENOME SCIENCES INC							
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	22-JUN-1998 US 60/090112,22-JUN-1998 US 60/090113 PI STEVEN							
	M RUBEN JIAN NI, CRAIG A ROSEN, YING							
	FEI WEI, PAUL E YOUNG,							
	PI KIMBERLY A FLORENCE, DANIEL R Soppet, LAURIE A BREWER, GREGORY A							
	PI ENDRESS, PI KENNETH C CARTER, MICHAEL MUCENSKI, REINHARD EBNER, DAVID W PI							
	LAFLUR,							
	PI HENRIK S OLSEN, YANGGU SHI, PAUL A MOORE, GEORGE KOMATSOUKIS PC							

C12N15/09, A61K38/00, A61K39/395, A61K48/00, A61P43/00, PC C07K1/00, C07K14/47, C07K36/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10 PC C12Q1/68, C12N15/00, PC A61K37/02, C12N5/00 CC 94 human secretory proteins FH Key Location/Qualifiers FT source 1. .1161 /organism="Homo sapiens (human)".	
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30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this source, see <http://genome.wustl.edu/gsc>

SOURCE INFORMATION:

The RPII-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Moon, P.Y., Zhao, B., Frengen, E., Tatenos, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. *Genomics* 51:1-8. The clone may be obtained either from Research Genetics, Inc. (<http://www.resgen.com>) or Pister de Jong and coworkers at the Roswell Park Cancer Institute (<http://bacpac.med.buffalo.edu>)

VECTOR: pBACe3.6

NEIGHBORING SEQUENCE INFORMATION:

The clone sequenced to the left is RP11-466M21; the clone sequenced to the right is RP11-79N18. Actual start of this clone is at base position 1 of RP11-44N22; actual end is at base position 209161 of RP11-44N22.

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DEFINITION Sequence 267 from Patent WO0129221.
ACCESSION AX119103
VERSION AX119103.1 GI:14036057
KEYWORDS
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Conklin,D.C. and Yee,D.P.
TITLE Proteins and polynucleotides encoding them
JOURNAL Patent: WO 0129221-A 267 26-APR-2001;
ZymoGenetics, Inc. (US)
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Db 181 GAGCAGATTCACTTGTCTCCCGCTGAACCTCCAGAGGCTCGGGGAACCTCAGCAACGGT 240
QY 300 TTCTTTCATCCAGACACAGATTGCTCTGTGTGAGAGGGGGGCTGCTCTCTCTCCAAAG 359
Db 241 TTCTTTCATCCAGACACAGATTGCTCTGTGTGAGAGGGGGGCTGCTCTCTCTCCAAAG 300
QY 360 ACTCGGGTGGTCCAGGAGCACGGCGGGCGGGGTGATCATCTCTGACAAACGAGTTGAC 419
Db 301 ACTCGGGTGGTCCAGGAGCACGGCGGGCGGGGTGATCATCTCTGACAAACGAGTTGAC 360
QY 420 AATGACAGTTTCTAGTGGAGATGATCCAGGACAGTACCCAGCGACAGCTGACATCCCC 479
Db 361 AATGACAGTTTCTAGTGGAGATGATCCAGGACAGTACCCAGCGACAGCTGACATCCCC 420
QY 480 GGCCTTCTCTCTCGGCGGAGACGGCTACATGATCCGCGCTCTCTGGAAACAGCATGG 539
Db 421 GGCCTTCTCTCTCGGCGGAGACGGCTACATGATCCGCGCTCTCTGGAAACAGCATGG 480
QY 540 CTGCCATGGCCATCATTTTCCATCCCAAGTCAATGTCCAGCATCCCACTTTTGGAGTGG 599
Db 481 CTGCCATGGCCATCATTTTCCATCCCAAGTCAATGTCCAGCATCCCACTTTTGGAGTGG 540
QY 600 CTGCCATGGCCCTTGACCTTCTGGTAG 626
Db 541 CTGCCATGGCCCTTGACCTTCTGGTAG 567
Search completed: June 18, 2004, 03:29:40
Job time : 7052 secs
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C	1	1052.8	95.9	1161	4	US-09-461-325-60	Sequence 60, Appl
	2	1052.8	95.9	1161	4	US-10-01X-462-10	Sequence 60, Appl
	3	42.4	3.9	7218	1	US-08-232-433-60	Sequence 14, Appl
	4	41	3.7	4713	4	US-09-833-331-897	Sequence 897, Appl
	5	40	3.6	2193	4	US-09-427-261-2	Sequence 2, Appl
	6	40	3.6	2193	4	US-09-427-261-3	Sequence 3, Appl
	7	39.8	3.6	780	4	US-09-252-91A-5299	Sequence 5299, Ap
	8	39.8	3.6	882	4	US-09-252-91A-5334	Sequence 5334, Ap
	9	39.8	3.6	1020	4	US-09-489-039A-106	Sequence 106, App
	10	39.8	3.6	1968	4	US-09-252-91A-5235	Sequence 5235, Ap
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	13	39.6	3.6	2004	2	US-08-463-483A-18	Sequence 18, Appl
	14	39.6	3.6	2004	2	US-08-471-046A-18	Sequence 18, Appl
	15	39.6	3.6	2004	2	US-08-470-566B-18	Sequence 18, Appl
	16	39.6	3.6	2004	2	US-08-469-334-18	Sequence 18, Appl
	17	39.6	3.6	2004	3	US-09-300-529-18	Sequence 18, Appl
	18	39.6	3.6	2576	1	US-08-471-033-35	Sequence 18, Appl
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	22	39.6	3.6	2576	2	US-08-470-566B-35	Sequence 35, Appl
	23	39.6	3.6	2576	2	US-08-469-334-35	Sequence 35, Appl
	24	39.6	3.6	2576	3	US-09-300-529-35	Sequence 35, Appl
	25	39.6	3.6	2655	1	US-08-471-033-17	Sequence 17, Appl
	26	39.6	3.6	2655	1	US-08-471-033-26	Sequence 26, Appl
	27	39.6	3.6	2655	2	US-08-471-044-17	Sequence 17, Appl

255	DB	GATACATCTTCCACAGCCACCTGCCAAGGACCTTTGGTGTATCTTTTCCACAAGAGTATG	314
241	QY	AGCAGATTCACTTTGTCCTCCGCTGAACCTCCAGAGGCTTCGCGGGAACCTCAGCAACCGTT	300
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301	QY	TCCTTCATCCAGGACCAAGTTGCTCTGCTGGAGAGGGGGGCTGCTCCTTCCTCTCCCAAGA	360
375	DB	TCCTTCATCCAGACCAAGTTGCTCTGCTGGAGAGGGGGGCTGCTCCTTCCTCTCCCAAGA	434
361	QY	CTCGGGTGGTCCAGGAGCAGCGGGGGCGGCGGTGATCATCTCTGACAAACGACGTTGACA	420
435	DB	CTCGGGTGGTCCAGGAGCAGCGGGGGCGGCGGTGATCATCTCTGACAAACGCA-TTGACA	493
421	QY	ATGACAGCTTTTACGTGSAGATGATCCAGGACAGTACCAGCGCACAGCTGACATCCCGG	480
494	DB	ATGACAGCTTTTACGTGSAGATGATCCAGGACAGTACCAGCGCACAGCTGACATCCCGG	553
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541	QY	TGCCATTGGGCCATCATTTCCATCCAGTCAATGTCAACAGCATCCCCACCTTTGAGGTGC	600
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601	QY	TGCACCGGCTTGGACCTTCTGGTAGAAGATTGTTCGCACATTCGAGGCATAGTGACT	660
674	DB	TGCACCGGCTTGGACCTTCTGGTAGAAGATTGTTCGCACATTCGAGGCATAGTGACT	733
661	QY	CTGAGCTGGGAAGGGGAAACCCAGGAATTTTGTACTTTGGAAATTTGGAGATAGCATCTGG	720
734	DB	CTGAGCTGGGAAGGGGAAACCCAGGAATTTTGTACTTTGGAAATTTGGAGATAGCATCTGG	793
721	QY	GGACAGTTGGACCGACAGTTAGGAAAGAGTTTGGCGCTTGCTAGGCTGGAAGGAGAGCC	780
794	DB	GGACAGTTGGACCGACAGTTAGGAAAGAGTTTGGCGCTTGCTAGGCTGGAAGGAGAGCC	853
781	QY	ACACCATTGGCTTCCTTCCCGAGGCCGCCAAGGGTGTCTCATCTCAAGAAGAGGC	840
854	DB	ACACCATTGGCTTCCTTCCCGAGGCCGCCAAGGGTGTCTCATCTCAAGAAGAGGC	913
841	QY	AAGACACAGGCCCCAGAGGCTTCTGGCTAGAACCCGAAACAAAGAGAGCTGAAGGCAGGTG	900
914	DB	AAGACACAGGCCCCAGAGGCTTCTGGCTAGAACCCGAAACAAAGAGAGCTGAAGGCAGGTG	973
901	QY	GCGTGAAGACCAATGTGTGACTGTGCACATCTCACTGGCTCCAGGCTCCCTCTACCCAGGGT	960
974	DB	GCGTGAAGACCAATGTGTGACTGTGCACATCTCACTGGCTCCAGGCTCCCTCTACCCAGGGT	1033
961	QY	CTCTGCACAGTGACCTTCCAGCAGATTGTTGGAGTGGTTTAAAGAGCTGGTGTTTGGGGA	1020
1034	DB	CTCTGCACAGTGACCTTCCAGCAGATTGTTGGAGTGGTTTAAAGAGCTGGTGTTTGGGGA	1093
1021	QY	CTCAATAAACCTCACTGACTTTTAGCANTAAAGTTCTCTCATCAGGGTTGCATAAAAAA	1080
1094	DB	CTCAATAAACCTCACTGACTTTTAGCANTAAAGTTCTCTCATCAGGGTTAAAAAAAAA	1153
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1154	DB	AAAAAAAAA 1161	

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US-10-012-542-60
; Sequence 60, Application US/10012542
; Patent No. 6627741
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZO29P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12

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RESULT 7
; US-09-252-991A-5299
; Sequence 5299, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788

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RESULT 9
US-09-489-039A-106
; Sequence 106, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND

Db 1545 CAGCTGCATCAAGACCAACGAGATCAACCTGTTCTGGGACGACATATCGATTAC 1604

Qy 566 AGTCAATGTCCAGCAGATCCCC 587
Db 1605 CGAGTCCGACGATCAAGCCC 1626

RESULT 12

US-08-471-044-18
; Sequence 18, Application US/08471044
; Patent No. 5840868
; GENERAL INFORMATION:
; APPLICANT: Warren, Gregory W
; APPLICANT: Koziel, Michael G
; APPLICANT: Mullins, Martha A
; APPLICANT: Nye, Gordon J
; APPLICANT: Carr, Brian
; APPLICANT: Desai, Nalini M
; APPLICANT: Kostichka, N. Kristy
; APPLICANT: Duck, Nicholas B
; APPLICANT: Estruch, Juan J
; TITLE OF INVENTION: No. 5840868el Pesticidal Proteins and Strains
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,044
FILING DATE: 06-JUN-1995

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/463,483
FILING DATE: 05-JUN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Pace, Gary M.
REGISTRATION NUMBER: 40,403
REFERENCE/DOCKET NUMBER: CGC 1695/CIP3/DIV6 - SQLv3

TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
TELEFAX: 919-541-8689

INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..2004
OTHER INFORMATION: /note= "Maize optimized DNA
OTHER INFORMATION: sequence for VIP1A(a) 80 kd protein from AB78"

US-08-471-044-18

Query Match 3.8%; Score 39.6; DB 2; Length 2004;
Best Local Similarity 46.9%; Fred. No. 1.5;
Matches 123; Conservative 0; Mismatches 139; Indels 0; Gaps 0;

Qy 326 GGTGAGAGGGGGGGTGTCTCTCTCCCAAGACTCGGTGGTCCAGGAGCAGCGGG 385

Db 1365 GCTGAACAAGAACCGGACTACTACATCAGCTGTACATGAGAGGAGAGACCCCA 1424

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Qy 566 AGTCAATGTCCAGCAGATCCCC 587

Db 1605 CGAGTCCGACGATCAAGCCC 1626

RESULT 13

US-08-463-483A-18
; Sequence 18, Application US/08463483A
; Patent No. 5849870

GENERAL INFORMATION:

APPLICANT: Warren, Gregory W
APPLICANT: Koziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalini M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: No. 5849870el Pesticidal Proteins and Strains
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,483A
FILING DATE:

CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Spruill, W. Murray
REGISTRATION NUMBER: 32,943
REFERENCE/DOCKET NUMBER: CGC 1695/CIP3

TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX:

TELEPHONE: 919-541-8615
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..2004
OTHER INFORMATION: /note= "Maize optimized DNA
US-08-463-483A-18
Query Match
Best Local Similarity 3.6%; Score 39.6; DB 2; Length 2004;
Matches 123; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
QY 326 GGTGGAGAGGGGGGCTCTCTCCAAAGACTCGGGTGGTCCAGGACGACGGCGG 385
DB 1365 GCTGAACAAGAACCGGCACTACTACATCAGCCCTGTATCAAGAGCGAGAGACACCCA 1424
QY 386 GCGGGCGGTGATCATCTCTGACAAAGCGAGTGAATGACAGCTTCTACGTGGAGATGAT 445
DB 1425 GTGCGAGATCACCATCGACGGCGGAGATATACCCATCACCACCAAGACCGTGAACGTGAA 1484
QY 446 CCAGGACAGTACCAAGGCGACAGTGAATGACATCCCGGCTCTCTCTGCTGGCGGAGACGG 505
DB 1485 CAAGGACAACTACAAAGCGGCTGGACATCATCGCCCAACATCAAGAGCAACCCCATCAG 1544
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DB 1545 CAGCTGCACATCAAGACCAACAGGATCACCCTGTTCTGGGACGATATCGATTAC 1604
QY 566 AGTCAATGTACAGCATATCCCC 587
DB 1605 CGAGTCGCCGACATCAAGCCC 1626

RESULT 14

US-08-471-046A-18
Sequence 18, Application US/08471046A
Patent No. 5866326
GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Kozziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalini M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: Method For Isolating Vegetative Insecticidal
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESSES:
ADDRESSEE: No. 5866326artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/471,046A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/463,483
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: CGC1695/CIP3/DIV8 - SOLV4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8689
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..2004
OTHER INFORMATION: /note= "Maize optimized DNA
US-08-471-046A-18
Query Match
Best Local Similarity 3.6%; Score 39.6; DB 2; Length 2004;
Matches 123; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
QY 326 GGTGGAGAGGGGGGCTCTCTCTCCAAAGACTCGGGTGGTCCAGGACGACGGCGG 385
DB 1365 GCTGAACAAGAACCGGCACTACTACATCAGCCCTGTATCAAGAGCGAGAGACACCCA 1424
QY 386 GCGGGCGGTGATCATCTCTGACAAAGCGAGTGAATGACAGCTTCTACGTGGAGATGAT 445
DB 1425 GTGCGAGATCACCATCGACGGCGGAGATATACCCATCACCACCAAGACCGTGAACGTGAA 1484
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DB 1485 CAAGGACAACTACAAAGCGGCTGGACATCATCGCCCAACATCAAGAGCAACCCCATCAG 1544
QY 506 CTACATGATCGCGGCTCTCTGGAACAGCATGGCTGGCCATGCGCCATCATTTTCCATCCC 565
DB 1545 CAGCTGCACATCAAGACCAACAGGATCACCCTGTTCTGGGACGATATCGATTAC 1604
QY 566 AGTCAATGTACAGCATATCCCC 587
DB 1605 CGAGTCGCCGACATCAAGCCC 1626

RESULT 15

US-08-470-566B-18
Sequence 18, Application US/08470566B
Patent No. 5872212
GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Kozziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian

PR	16-SEP-1998;	98US-0106227P.	PR	29-OCT-1998;	98US-0108500P.
PR	16-SEP-1998;	98US-010661P.	PR	30-OCT-1998;	98US-0106464P.
PR	16-SEP-1998;	98US-010662P.	PR	30-NOV-1998;	98US-0106856P.
PR	16-SEP-1998;	98US-010664P.	PR	03-NOV-1998;	98US-0106902P.
PR	17-SEP-1998;	98US-0100683P.	PR	03-NOV-1998;	98US-0106905P.
PR	17-SEP-1998;	98US-0100684P.	PR	03-NOV-1998;	98US-0106919P.
PR	17-SEP-1998;	98US-0100710P.	PR	03-NOV-1998;	98US-0106932P.
PR	17-SEP-1998;	98US-0100711P.	PR	03-NOV-1998;	98US-0106934P.
PR	17-SEP-1998;	98US-0100919P.	PR	10-NOV-1998;	98US-0107783P.
PR	17-SEP-1998;	98US-0100930P.	PR	17-NOV-1998;	98US-0108775P.
PR	18-SEP-1998;	98US-0100849P.	PR	17-NOV-1998;	98US-0108779P.
PR	18-SEP-1998;	98US-0101014P.	PR	17-NOV-1998;	98US-0108788P.
PR	18-SEP-1998;	98US-0101058P.	PR	17-NOV-1998;	98US-0108788P.
PR	18-SEP-1998;	98US-0101071P.	PR	17-NOV-1998;	98US-0108802P.
PR	22-SEP-1998;	98US-0101279P.	PR	17-NOV-1998;	98US-0108806P.
PR	23-SEP-1998;	98US-0101471P.	PR	17-NOV-1998;	98US-0108807P.
PR	23-SEP-1998;	98US-0101472P.	PR	17-NOV-1998;	98US-0108857P.
PR	23-SEP-1998;	98US-0101474P.	PR	17-NOV-1998;	98US-0108945P.
PR	23-SEP-1998;	98US-0101475P.	PR	18-NOV-1998;	98US-0108848P.
PR	23-SEP-1998;	98US-0101476P.	PR	18-NOV-1998;	98US-0108849P.
PR	23-SEP-1998;	98US-0101477P.	PR	18-NOV-1998;	98US-0108850P.
PR	23-SEP-1998;	98US-0101479P.	PR	18-NOV-1998;	98US-0108851P.
PR	24-SEP-1998;	98US-0101738P.	PR	18-NOV-1998;	98US-0108852P.
PR	24-SEP-1998;	98US-0101741P.	PR	18-NOV-1998;	98US-0108858P.
PR	24-SEP-1998;	98US-0101743P.	PR	18-NOV-1998;	98US-0108904P.
PR	24-SEP-1998;	98US-0101915P.	XX		
PR	24-SEP-1998;	98US-0101916P.	PA	(GETH) GENENTECH INC.	
PR	29-SEP-1998;	98US-0102207P.	XX		
PR	29-SEP-1998;	98US-0102240P.	PI	Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;	
PR	29-SEP-1998;	98US-0102307P.	XX		
PR	29-SEP-1998;	98US-0102330P.	DR	WPI; 2000-237871/20.	
PR	30-SEP-1998;	98US-0102484P.	DR	P-PSDB; AAY99449.	
PR	30-SEP-1998;	98US-0102487P.	XX		
PR	30-SEP-1998;	98US-0102570P.	PT	New mammalian DNA sequences encoding transmembrane, receptor or secreted	
PR	30-SEP-1998;	98US-0102571P.	PT	PRO polypeptides, useful for screening of potential peptide or small	
PR	01-OCT-1998;	98US-0102684P.	PT	molecule inhibitors of the relevant receptor/ligand interactions.	
PR	01-OCT-1998;	98US-0102687P.	XX		
PR	02-OCT-1998;	98US-0102687P.	PS	Claim 2; Fig 219; 773pp; English.	
PR	06-OCT-1998;	98US-0103258P.	XX		
PR	06-OCT-1998;	98US-0103449P.	XX		
PR	07-OCT-1998;	98US-0103314P.	CC	AAA37022 to AAA37144 encode the new isolated human transmembrane,	
PR	07-OCT-1998;	98US-0103315P.	CC	receptor or secreted PRO polypeptides given in AAY99340 to AAY99462. The	
PR	07-OCT-1998;	98US-0103328P.	CC	transmembrane and receptor PRO proteins can be used for screening of	
PR	07-OCT-1998;	98US-0103359P.	CC	potential peptide or small molecule inhibitors of the relevant	
PR	07-OCT-1998;	98US-0103395P.	CC	receptor/ligand interactions. The polypeptides and nucleotide sequences	
PR	07-OCT-1998;	98US-0103396P.	CC	encoding then have various industrial applications, including uses as	
PR	07-OCT-1998;	98US-0103401P.	CC	pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent PCR	
PR	08-OCT-1998;	98US-0103633P.	CC	primers and hybridisation probes used in the isolation of the PRO	
PR	08-OCT-1998;	98US-0103678P.	CC	polypeptides from the present invention	
PR	08-OCT-1998;	98US-0103679P.	XX		
PR	08-OCT-1998;	98US-0103711P.	SQ	Sequence 1098 BP; 249 A; 313 C; 311 G; 225 T; 0 U; 0 Other;	
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PR	20-OCT-1998;	98US-0104987P.			
PR	20-OCT-1998;	98US-0105000P.			
PR	20-OCT-1998;	98US-0105002P.			
PR	21-OCT-1998;	98US-0105104P.			
PR	22-OCT-1998;	98US-0105169P.			
PR	22-OCT-1998;	98US-0105266P.			
PR	26-O				

Db 361 CTCGGGTGTCACGAGACACGGCGGGCGGCGGTGATCATCTCTGACAACGCGAGTTGACA 420
Qy 421 ATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCCAGCGCACAGCTGACATCCCCG 480
Db 421 ATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCCAGCGCACAGCTGACATCCCCG 480
Qy 481 CCTCTCTCTGCTCGGCGGAGACGGGTACATGATCCGCGGCTCTCTGGAACAGCATGGGC 540
Db 481 CCTCTCTCTGCTCGGCGGAGACGGGTACATGATCCGCGGCTCTCTGGAACAGCATGGGC 540
Qy 541 TGCCATGGGCGCATCTTTCATCCAGTCAATGTCACAGCATCCCGACCTTTGAGCTGC 600
Db 541 TGCCATGGGCGCATCTTTCATCCAGTCAATGTCACAGCATCCCGACCTTTGAGCTGC 600
Qy 601 TGCAACGGCGCTGGAACCTTCTGTGTAGAGAGTTGTCCACATTCAGGCATAAGTGACT 660
Db 601 TGCAACGGCGCTGGAACCTTCTGTGTAGAGAGTTGTCCACATTCAGGCATAAGTGACT 660
Qy 661 CTGAGCTGGGAAGGGGAAACCCAGGAATTTGCTACTTGGAATTTGGAGATAGCATCTGG 720
Db 661 CTGAGCTGGGAAGGGGAAACCCAGGAATTTGCTACTTGGAATTTGGAGATAGCATCTGG 720
Qy 721 GGACAAAGTGGAGCCAGGTAGAGGAAAGGTTTGGGCGTTGCTAGGCTGAAAGGGAAGCC 780
Db 721 GGACAAAGTGGAGCCAGGTAGAGGAAAGGTTTGGGCGTTGCTAGGCTGAAAGGGAAGCC 780
Qy 781 ACACCACTGGCTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAGAGAGGC 840
Db 781 ACACCACTGGCTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAGAGAGGC 840
Qy 841 AAGAGACAGGCCCGCCAGGGCTTCTGCTAGAACCCGAAACAAAGGAGCTGAAGCGCAGTG 900
Db 841 AAGAGACAGGCCCGCCAGGGCTTCTGCTAGAACCCGAAACAAAGGAGCTGAAGCGCAGTG 900
Qy 901 GCGTGAGAGCCATCTGTACCTGTGCACACTACCTGGTCCAGCTCCCTACCCAGGGT 960
Db 901 GCGTGAGAGCCATCTGTACCTGTGCACACTACCTGGTCCAGCTCCCTACCCAGGGT 960
Qy 961 CTCTGCACAGTACCTTCCAGCAGCTTCTGAGTGGTTTAAAGAGCTGGTGTGGGA 1020
Db 961 CTCTGCACAGTACCTTCCAGCAGCTTCTGAGTGGTTTAAAGAGCTGGTGTGGGA 1020
Qy 1021 CTCAATAACCTCTACTGACTTTTACGATTAAGCTTCTCATCAGGCTTTCAGAAAAA 1080
Db 1021 CTCAATAACCTCTACTGACTTTTACGATTAAGCTTCTCATCAGGCTTTCAGAAAAA 1080
Qy 1081 AAAAAAAAAAAAAAAAAA 1098
Db 1081 AAAAAAAAAAAAAAAAAA 1098

RESULT 4
AAS46227

ID AAS46227 standard; cDNA; 1098 BP.

AC AAS46227;

DT 18-DEC-2001 (first entry)

DE Human DNA encoding PRO polypeptide sequence #303.

XX PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss;
XX dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
XX blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
XX adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder;
XX PCR primer.

OS Homo sapiens.

PN WO200168848-A2.

XX 20-SEP-2001.

XX

PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 15-MAR-2000; 2000US-0189328P.
PR 14-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.
PR 28-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199854P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 05-JUN-2000; 2000WO-US015264.
PR 02-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2001-602746/68.
P-PSDB; AAU29326.

Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.

Claim 2; Fig 605; 774pp; English.

Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR primers for PRO polypeptides of the invention. The sequences of the invention can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders

Db	841	AAGAGCAGCCCGCCAGGGCTTCTGGCTGTAGAACCGGAAACAAAGGAGGAGCTGAAGGCAGGTG	900	01-APR-1998; PR
Qy	901	GCCTGAGAGCATCTGTGACCTGTGCACATCACTGGCTCCAGCCCTCCCTACCCAGGTT	960	08-APR-1998; PR
Db	901	GCCTGAGAGCATCTGTGACCTGTGCACATCACTGGCTCCAGCCCTCCCTACCCAGGTT	960	09-APR-1998; PR
Qy	961	CTCTGCACAGTACCTTTCACAGCAGTGTGTTGGAGTGGTTTAAAGAGCTGGTGTGGGGA	1020	15-APR-1998; PR
Db	961	CTCTGCACAGTACCTTTCACAGCAGTGTGTTGGAGTGGTTTAAAGAGCTGGTGTGGGGA	1020	21-APR-1998; PR
Qy	1021	CTCAATTAACCTCAGTCACTCTTTTAGCATATAAGCTTCTCATCAGGGTTGCAAAAAA	1080	22-APR-1998; PR
Db	1021	CTCAATTAACCTCAGTCACTCTTTTAGCATATAAGCTTCTCATCAGGGTTGCAAAAAA	1080	22-APR-1998; PR
Qy	1081	AAAAAATAAAAAAAAAAAAAA	1098	28-APR-1998; PR
Db	1081	AAAAAATAAAAAAAAAAAAAA	1098	29-APR-1998; PR
RESULT 8				
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ID	ABX78830	standard; cDNA; 1098 BP.		
AC	ABX78830;			
DT	15-APR-2003	(first entry)		
DE	Human PRO polynucleotide #303.			
KW	Human; PRO; gene; ss; cytostatic; tumour; cancer; breast; lung; stomach;			
KW	liver; dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;			
KW	antibody-dependent enzyme mediated prodrug therapy.			
OS	Homo sapiens.			
PN	US2003027272-A1.			
PD	06-FEB-2003.			
PF	21-JUN-2002; 2002US-00176492.			
PR	18-SEP-1997; 97US-0059263P.			
PR	18-SEP-1997; 97US-0059266P.			
PR	17-OCT-1997; 97US-0063250P.			
PR	21-OCT-1997; 97US-0063486P.			
PR	24-OCT-1997; 97US-0063120P.			
PR	24-OCT-1997; 97US-0063121P.			
PR	28-OCT-1997; 97US-0063540P.			
PR	28-OCT-1997; 97US-0063541P.			
PR	28-OCT-1997; 97US-0063544P.			
PR	29-OCT-1997; 97US-0063734P.			
PR	31-OCT-1997; 97US-0063870P.			
PR	31-OCT-1997; 97US-0064103P.			
PR	13-NOV-1997; 97US-0065311P.			
PR	21-NOV-1997; 97US-00661120P.			
PR	24-NOV-1997; 97US-0066466P.			
PR	24-NOV-1997; 97US-0066772P.			
PR	11-DEC-1997; 97US-0069335P.			
PR	12-DEC-1997; 97US-0069435P.			
PR	17-DEC-1997; 97US-0069870P.			
PR	18-DEC-1997; 97US-0068017P.			
PR	10-MAR-1998; 98US-0077450P.			
PR	11-MAR-1998; 98US-0077632P.			
PR	11-MAR-1998; 98US-0077649P.			
PR	20-MAR-1998; 98US-0078886P.			
PR	20-MAR-1998; 98US-0078939P.			
PR	27-MAR-1998; 98US-0079664P.			
PR	27-MAR-1998; 98US-0079786P.			
PR	31-MAR-1998; 98US-0080107P.			
PR	31-MAR-1998; 98US-0080194P.			
PR	01-APR-1998; 98US-0080327P.			
PR	01-APR-1998; 98US-0080333P.			
PR	08-APR-1998; 98US-0081049P.			
PR	08-APR-1998; 98US-0081070P.			
PR	09-APR-1998; 98US-0081195P.			
PR	15-APR-1998; 98US-0081838P.			
PR	21-APR-1998; 98US-0082568P.			
PR	21-APR-1998; 98US-0082569P.			
PR	22-APR-1998; 98US-0082704P.			
PR	22-APR-1998; 98US-0082797P.			
PR	28-APR-1998; 98US-0083322P.			
PR	29-APR-1998; 98US-0083495P.			
PR	29-APR-1998; 98US-0083496P.			
PR	29-APR-1998; 98US-0083499P.			
PR	29-APR-1998; 98US-0083559P.			
PR	05-MAY-1998; 98US-0084366P.			
PR	06-MAY-1998; 98US-0084414P.			
PR	07-MAY-1998; 98US-0084639P.			
PR	07-MAY-1998; 98US-0084640P.			
PR	07-MAY-1998; 98US-0084643P.			
PR	15-MAY-1998; 98US-0085579P.			
PR	15-MAY-1998; 98US-0085580P.			
PR	15-MAY-1998; 98US-0085582P.			
PR	15-MAY-1998; 98US-0085700P.			
PR	18-MAY-1998; 98US-0086023P.			
PR	22-MAY-1998; 98US-008639			

RESULT 8
ABX78830
ID ABX78830 standard: CDNA: 1098 BP.

AC ABX78830;

DT 15-APR-2003 (first entry)

Human PRO polynucleotide #303.

KW Human; PRO; gene; ss; cytostatic;

KW antibody-dependent enzyme mediated

OS Homo sapiens.

PN US2003027272-A1.

PD 06-FEB-2003.

21-JUN-2002; 2002US-00176492.

PR 18-SEP-1997; 97US-0059263P.

PR 17-OCT-1997; 97US-0062250P.
DE 21 OCT 1997; 97US-0062486P

PR 24-OCT-1997; 97US-0063120P.
 PR 24-OCT-1997; 97US-0063121P.

PR 28-OCT-1997; 97US-0063540P.
 PP 28-OCT-1997; 97US-0063541P

PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.

PR 29-OCT-1997; 97US-006373#E.
PR 31-OCT-1997; 97US-0063870P.

PR 31-OCT-1997; 97US-0084103F:
PR 13-NOV-1997; 97US-0065311P:

PR 21-NOV-1997; 97US-0066120E.
PR 24-NOV-1997; 97US-0066466P.

PR 11-DEC-1997; 97US-0069335P.

PR 17-DEC-1997; 97US-0069870P.

PR 10-MAR-1998; 98US-0077450P.

PR 11-MAR-1998; 98US-0077649P.

PR 20-MAR-1998; 98US-0078939P.

PR 27-MAR-1998; 98US-0079786P.

PR 31-MAR-1998; 98US-0080194P.

us-10-017-306a-375.rng

Mon Jun 28 15:41:54 2004

Db	961	CTCTGCACAGTGACCTTCACAGCAGTTGTTGAGTGGTTAAAGAGCTGGTGTGGGGA	1020	PR	21-APR-1998;	98US-0082569P.
				PR	22-APR-1998;	98US-0082704P.
				PR	22-APR-1998;	98US-0082797P.
Qy	1021	CTCAATAAACCTCAGTACTTTTATAGCAATAAAGCTTCTCATCAGGTTGCACAAAAA	1080	PR	28-APR-1998;	98US-0083322P.
				PR	29-APR-1998;	98US-0083495P.
Db	1021	CTCAATAAACCTCAGTACTTTTATAGCAATAAAGCTTCTCATCAGGTTGCACAAAAA	1080	PR	29-APR-1998;	98US-0083499P.
				PR	29-APR-1998;	98US-0083559P.
Qy	1081	AAAAAAAAAAAAAAAAAAAA 1098		PR	03-MAY-1998;	98US-0084366P.
				PR	06-MAY-1998;	98US-0084414P.
Db	1081	AAAAAAAAAAAAAAAAAAAA 1098		PR	07-MAY-1998;	98US-0084639P.
				PR	07-MAY-1998;	98US-0084640P.
				PR	07-MAY-1998;	98US-0084643P.
				PR	15-MAY-1998;	98US-0085579P.
				PR	15-MAY-1998;	98US-0085580P.
				PR	15-MAY-1998;	98US-0085582P.
				PR	15-MAY-1998;	98US-0085700P.
				PR	15-MAY-1998;	98US-0086023P.
				PR	22-MAY-1998;	98US-0086392P.
				PR	22-MAY-1998;	98US-0086486P.
				PR	28-MAY-1998;	98US-0087098P.
				PR	28-MAY-1998;	98US-0087208P.
				PR	02-JUN-1998;	98US-0087609P.
				PR	02-JUN-1998;	98US-0087759P.
				PR	03-JUN-1998;	98US-0087827P.
				PR	04-JUN-1998;	98US-0088025P.
				PR	04-JUN-1998;	98US-0088028P.
				PR	04-JUN-1998;	98US-0088029P.
				PR	04-JUN-1998;	98US-0088033P.
				PR	04-JUN-1998;	98US-0088326P.
				PR	04-JUN-1998;	98US-0088367P.
				PR	05-JUN-1998;	98US-0088820P.
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				PR	05-JUN-1998;	98US-0088821P.
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				PR	10-JUN-1998;	98US-0088824P.
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				PR	11-JUN-1998;	98US-0088826P.
				PR	11-JUN-1998;	98US-0088861P.
				PR	11-JUN-1998;	98US-0088863P.
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				PR	12-JUN-1998;	98US-0089090P.
				PR	12-JUN-1998;	98US-0089105P.
				PR	12-JUN-1998;	98US-0089152P.
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				PR	17-JUN-1998;	98US-0089598P.
				PR	17-JUN-1998;	98US-0089653P.
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				PR	19-JUN-1998;	98US-0089952P.
				PR	22-JUN-1998;	98US-0090246P.
				PR	22-JUN-1998;	98US-0090252P.
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				PR	24-JUN-1998;	98US-0090461P.
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				PR	25-JUN-1998;	98US-0090678P.
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				PR	25-JUN-1998;	98US-0090695P.
				PR	26-JUN-1998;	98US-0090696P.
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				PR	26-JUN-1998;	98US-0090862P.
				PR	26-JUN-1998;	98US-0090863P.

RESULT 9

ACA75802

ID ACA75802 standard; cDNA; 1098 BP.

XX ACA75802;

DT 07-JUL-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1760 cDNA.

XX Human; secreted and transmembrane protein; PRO; gene therapy;

XX tumour necrosis factor-alpha release; TNF-alpha release;

XX chondrocyte proliferation; chondrocyte differentiation; tumour;

XX adrenal tumour; lung tumour; colon tumour; breast tumour;

XX prostate tumour; rectal tumour; cervical tumour; liver tumour; gene; ss.

XX Homo sapiens.

XX US2003032127-A1.

XX 13-FEB-2003.

XX 26-JUN-2002; 2002US-00183012.

XX 18-SEP-1997; 97US-0059263P.

XX 18-SEP-1997; 97US-0059266P.

XX 17-OCT-1997; 97US-0062250P.

XX 21-OCT-1997; 97US-0063486P.

XX 24-OCT-1997; 97US-0063120P.

XX 28-OCT-1997; 97US-0063541P.

XX 28-OCT-1997; 97US-0063544P.

XX 28-OCT-1997; 97US-0063564P.

XX 29-OCT-1997; 97US-0063734P.

XX 31-OCT-1997; 97US-0063870P.

XX 13-NOV-1997; 97US-0065311P.

XX 21-NOV-1997; 97US-0066120P.

XX 24-NOV-1997; 97US-0066466P.

XX 11-DEC-1997; 97US-0066772P.

XX 12-DEC-1997; 97US-0069425P.

XX 17-DEC-1997; 97US-0069870P.

XX 18-DEC-1997; 97US-0068017P.

XX 10-MAR-1998; 98US-0074500P.

XX 11-MAR-1998; 98US-0077632P.

XX 20-MAR-1998; 98US-0078886P.

XX 27-MAR-1998; 98US-0079664P.

XX 27-MAR-1998; 98US-0079786P.

XX 31-MAR-1998; 98US-0080107P.

XX 31-MAR-1998; 98US-0080194P.

XX 01-APR-1998; 98US-0080327P.

XX 01-APR-1998; 98US-0080333P.

XX 08-APR-1998; 98US-0081049P.

XX 09-APR-1998; 98US-0081070P.

XX 15-APR-1998; 98US-0081195P.

XX 21-APR-1998; 98US-0081388P.

XX 21-APR-1998; 98US-0082568P.


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Db      1081 AAAAAAAAAAAAAAAAAA 1098
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RESULT 10
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ID ACA71282 standard; cDNA; 1098 BP.
XX
AC ACA71282;
XX
DT 02-AUG-2003 (first entry)
DE Human secreted/transmembrane protein (PRO) cDNA #303.
XX
KW Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX
OS Homo sapiens.
XX
PN US2003032112-A1.
XX
PD 13-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176756.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
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PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063734P.
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PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
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PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
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PR 10-MAR-1998; 98US-0077450P.
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PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
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PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
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PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
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PR 05-MAY-1998; 98US-0084366P.
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PR 07-MAY-1998; 98US-0084639P.
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PR 02-JUN-1998; 98US-0087609P.
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PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
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SIMMARTES

Result No.	Score	Match	Query %	Length	DB	ID	Description
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3	1098	100.0	1098	13	US-10-206-915-605	Sequence	
4	1098	100.0	1098	13	US-10-199-670-605	Sequence	
5	1098	100.0	1098	13	US-10-201-858-605	Sequence	
6	1098	100.0	1098	13	US-10-081-056-255	Sequence	
7	1098	100.0	1098	13	US-10-219-535-205	Sequence	
8	1098	100.0	1098	13	US-10-232-230-205	Sequence	
9	1098	100.0	1098	13	US-10-205-890-605	Sequence	
10	1098	100.0	1098	13	US-10-208-024-605	Sequence	
11	1098	100.0	1098	13	US-10-201-853-605	Sequence	
12	1098	100.0	1098	13	US-10-174-581-605	Sequence	
13	1098	100.0	1098	13	US-10-176-483-605	Sequence	
14	1098	100.0	1098	13	US-10-176-749-605	Sequence	

1	PRIOR APPLICATION NUMBER: 60/098750	1	PRIOR FILING DATE: 1998-09-22
2	PRIOR FILING DATE: 1998-09-01	2	PRIOR APPLICATION NUMBER: 60/101471
3	PRIOR APPLICATION NUMBER: 60/098803	3	PRIOR FILING DATE: 1998-09-23
4	PRIOR FILING DATE: 1998-09-02	4	PRIOR APPLICATION NUMBER: 60/101472
5	PRIOR APPLICATION NUMBER: 60/098821	5	PRIOR FILING DATE: 1998-09-23
6	PRIOR FILING DATE: 1998-09-02	6	PRIOR APPLICATION NUMBER: 60/101473
7	PRIOR APPLICATION NUMBER: 60/098843	7	PRIOR FILING DATE: 1998-09-23
8	PRIOR FILING DATE: 1998-09-02	8	PRIOR APPLICATION NUMBER: 60/101474
9	PRIOR APPLICATION NUMBER: 60/099536	9	PRIOR FILING DATE: 1998-09-23
10	PRIOR FILING DATE: 1998-09-09	10	PRIOR APPLICATION NUMBER: 60/101475
11	PRIOR APPLICATION NUMBER: 60/099596	11	PRIOR FILING DATE: 1998-09-23
12	PRIOR FILING DATE: 1998-09-09	12	PRIOR APPLICATION NUMBER: 60/101476
13	PRIOR APPLICATION NUMBER: 60/099598	13	PRIOR FILING DATE: 1998-09-23
14	PRIOR FILING DATE: 1998-09-09	14	PRIOR APPLICATION NUMBER: 60/101477
15	PRIOR APPLICATION NUMBER: 60/099602	15	PRIOR FILING DATE: 1998-09-23
16	PRIOR FILING DATE: 1998-09-09	16	PRIOR APPLICATION NUMBER: 60/101479
17	PRIOR APPLICATION NUMBER: 60/099642	17	PRIOR FILING DATE: 1998-09-23
18	PRIOR FILING DATE: 1998-09-09	18	PRIOR APPLICATION NUMBER: 60/101738
19	PRIOR APPLICATION NUMBER: 60/099741	19	PRIOR FILING DATE: 1998-09-24
20	PRIOR FILING DATE: 1998-09-10	20	PRIOR APPLICATION NUMBER: 60/101741
21	PRIOR APPLICATION NUMBER: 60/099754	21	PRIOR FILING DATE: 1998-09-24
22	PRIOR FILING DATE: 1998-09-10	22	PRIOR APPLICATION NUMBER: 60/101743
23	PRIOR APPLICATION NUMBER: 60/099763	23	PRIOR FILING DATE: 1998-09-24
24	PRIOR FILING DATE: 1998-09-10	24	PRIOR APPLICATION NUMBER: 60/101915
25	PRIOR APPLICATION NUMBER: 60/099792	25	PRIOR FILING DATE: 1998-09-24
26	PRIOR FILING DATE: 1998-09-10	26	PRIOR APPLICATION NUMBER: 60/101916
27	PRIOR APPLICATION NUMBER: 60/099808	27	PRIOR FILING DATE: 1998-09-24
28	PRIOR FILING DATE: 1998-09-10	28	PRIOR APPLICATION NUMBER: 60/102207
29	PRIOR APPLICATION NUMBER: 60/099812	29	PRIOR FILING DATE: 1998-09-29
30	PRIOR FILING DATE: 1998-09-10	30	PRIOR APPLICATION NUMBER: 60/102240
31	PRIOR APPLICATION NUMBER: 60/099815	31	PRIOR FILING DATE: 1998-09-29
32	PRIOR FILING DATE: 1998-09-10	32	PRIOR APPLICATION NUMBER: 60/102307
33	PRIOR APPLICATION NUMBER: 60/099816	33	PRIOR FILING DATE: 1998-09-29
34	PRIOR FILING DATE: 1998-09-10	34	PRIOR APPLICATION NUMBER: 60/102330
35	PRIOR APPLICATION NUMBER: 60/100385	35	PRIOR FILING DATE: 1998-09-29
36	PRIOR FILING DATE: 1998-09-15	36	PRIOR APPLICATION NUMBER: 60/102331
37	PRIOR APPLICATION NUMBER: 60/100388	37	PRIOR FILING DATE: 1998-09-29
38	PRIOR FILING DATE: 1998-09-15	38	PRIOR APPLICATION NUMBER: 60/102484
39	PRIOR APPLICATION NUMBER: 60/100390	39	PRIOR FILING DATE: 1998-09-30
40	PRIOR FILING DATE: 1998-09-15	40	PRIOR APPLICATION NUMBER: 60/102487
41	PRIOR APPLICATION NUMBER: 60/100584	41	PRIOR FILING DATE: 1998-09-30
42	PRIOR FILING DATE: 1998-09-15	42	PRIOR APPLICATION NUMBER: 60/102570
43	PRIOR APPLICATION NUMBER: 60/100627	43	PRIOR FILING DATE: 1998-09-30
44	PRIOR FILING DATE: 1998-09-16	44	PRIOR APPLICATION NUMBER: 60/102571
45	PRIOR APPLICATION NUMBER: 60/100661	45	PRIOR FILING DATE: 1998-09-30
46	PRIOR FILING DATE: 1998-09-16	46	PRIOR APPLICATION NUMBER: 60/102684
47	PRIOR APPLICATION NUMBER: 60/100662	47	PRIOR FILING DATE: 1998-10-01
48	PRIOR FILING DATE: 1998-09-16	48	PRIOR APPLICATION NUMBER: 60/102687
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50	PRIOR FILING DATE: 1998-09-16	50	PRIOR APPLICATION NUMBER: 60/102965
51	PRIOR APPLICATION NUMBER: 60/100683	51	PRIOR FILING DATE: 1998-10-02
52	PRIOR FILING DATE: 1998-09-17	52	PRIOR APPLICATION NUMBER: 60/103258
53	PRIOR APPLICATION NUMBER: 60/100684	53	PRIOR FILING DATE: 1998-10-07
54	PRIOR FILING DATE: 1998-09-17	54	PRIOR APPLICATION NUMBER: 60/103314
55	PRIOR APPLICATION NUMBER: 60/100710	55	PRIOR FILING DATE: 1998-10-07
56	PRIOR FILING DATE: 1998-09-17	56	PRIOR APPLICATION NUMBER: 60/103315
57	PRIOR APPLICATION NUMBER: 60/100711	57	PRIOR FILING DATE: 1998-10-07
58	PRIOR FILING DATE: 1998-09-17	58	PRIOR APPLICATION NUMBER: 60/103328
59	PRIOR APPLICATION NUMBER: 60/100848	59	PRIOR FILING DATE: 1998-10-07
60	PRIOR FILING DATE: 1998-09-18	60	PRIOR APPLICATION NUMBER: 60/103395
61	PRIOR APPLICATION NUMBER: 60/100849	61	PRIOR FILING DATE: 1998-10-07
62	PRIOR FILING DATE: 1998-09-18	62	PRIOR APPLICATION NUMBER: 60/103396
63	PRIOR APPLICATION NUMBER: 60/100919	63	PRIOR FILING DATE: 1998-10-07
64	PRIOR FILING DATE: 1998-09-17	64	PRIOR APPLICATION NUMBER: 60/103401
65	PRIOR APPLICATION NUMBER: 60/100930	65	PRIOR FILING DATE: 1998-10-07
66	PRIOR FILING DATE: 1998-09-17	66	PRIOR APPLICATION NUMBER: 60/103449
67	PRIOR APPLICATION NUMBER: 60/101014	67	PRIOR FILING DATE: 1998-10-06
68	PRIOR FILING DATE: 1998-09-18	68	PRIOR APPLICATION NUMBER: 60/103633
69	PRIOR APPLICATION NUMBER: 60/101068	6	

Db	181		GATACATCTTCA	CAGCCACACTG	CGCAAGGACTTTGGTGGTA	CTTTTTCACACAGGATG	240
Qy	241	AGCAGATTCA	CTTGTGCCGCTG	CAACCTTCAGAGGCTG	CGGGGA	ACTCAGCAACGGTT	300
Db	241	AGCAGATTCA	CTTGTGCCGCTG	CAACCTTCAGAGGCTG	CGGGGA	ACTCAGCAACGGTT	300
Qy	301	TCCTTATC	CAGACAGATTGCT	CTGCTGGAGAGGGGGGGCTGCT	CTCTCTCTCTCCAA	GA	360
Db	301	TCCTTATC	CAGACAGATTGCT	CTGCTGGAGAGGGGGGGCTGCT	CTCTCTCTCTCCAA	GA	360
Qy	361	CTCGGTGT	TCAGGAGCACGCGCGCGGCGGGT	GATCATCTCTGCAACG	CAGATTGACA	420	
Db	361	CTCGGTGT	TCAGGAGCACGCGCGCGGCGGGT	GATCATCTCTGCAACG	CAGATTGACA	420	
Qy	421	ATGACAGCTT	CTACGTGAGATGAT	CCAGGACACTCCAGCCAC	CAGCTGACATCCCG	480	
Db	421	ATGACAGCTT	CTACGTGAGATGAT	CCAGGACACTCCAGCCAC	CAGCTGACATCCCG	480	
Qy	481	CCCTCTTCT	GTCTCGGCCGAGACG	CGCTACATGATCCGCGCTCTCTGGAAC	CAGCATGGGC	540	
Db	481	CCCTCTTCT	GTCTCGGCCGAGACG	CGCTACATGATCCGCGCTCTCTGGAAC	CAGCATGGGC	540	
Qy	541	TGCCAT	TGGGCCATCATTTTCCAT	CCCGATCAATGTCAC	CAGCATCCCACTTTGAGCTGC	600	
Db	541	TGCCAT	TGGGCCATCATTTTCCAT	CCCGATCAATGTCAC	CAGCATCCCACTTTGAGCTGC	600	
Qy	601	TGCAACGCGCCT	TGGACCTTCTGGTAGAGATTTGTGCCA	ATTCAGGCCATAAGTGACT	660		
Db	601	TGCAACGCGCCT	TGGACCTTCTGGTAGAGATTTGTGCCA	ATTCAGGCCATAAGTGACT	660		
Qy	661	CTGAGCTGGAGGGG	GAACCCAGGAAATTTTGCTACTTGGAA	TTTGGAGATAGCATCTGG	720		
Db	661	CTGAGCTGGAGGGG	GAACCCAGGAAATTTTGCTACTTGGAA	TTTGGAGATAGCATCTGG	720		
Qy	721	GGACAAGTGGAGCC	CAGGTAGAGGAAAAGGTTTGGCGTTGTCTAGGCT	GAAAGGGAAGCC	780		
Db	721	GGACAAGTGGAGCC	CAGGTAGAGGAAAAGGTTTGGCGTTGTCTAGGCT	GAAAGGGAAGCC	780		
Qy	781	ACACACAT	TGGCCTTCCCTTCCCAAGGCCCCCAAGGGTGTCTCATGCTAC	AGAGAGGC	840		
Db	781	ACACACAT	TGGCCTTCCCTTCCCAAGGCCCCCAAGGGTGTCTCATGCTAC	AGAGAGGC	840		
Qy	841	AAGACACAGG	CCCCCAGGCTTCTGGCTAGAACCCGAAA	CAAAAGGAGCTTGAAGGCAGGTG	900		
Db	841	AAGACACAGG	CCCCCAGGCTTCTGGCTAGAACCCGAAA	CAAAAGGAGCTTGAAGGCAGGTG	900		
Qy	901	GCCTCAGAGCCAT	CTGTGACCTGTACACTTCACCTCCGCTCCAGCTCC	CCCTACCCAGGT	960		
Db	901	GCCTCAGAGCCAT	CTGTGACCTGTACACTTCACCTCCGCTCCAGCTCC	CCCTACCCAGGT	960		
Qy	961	CTCTCCACAGT	GCATTCACAGCAGTTTGGAGTGGTTTAAAGAGCTCGTGT	TTTGGGA	1020		
Db	961	CTCTCCACAGT	GCATTCACAGCAGTTTGGAGTGGTTTAAAGAGCTCGTGT	TTTGGGA	1020		
Qy	1021	CTCAATTAAC	CCTCAGCTTTTACCAATTAAGCTTCTCATCAGGCTT	GCAAAAA	1080		
Db	1021	CTCAATTAAC	CCTCAGCTTTTACCAATTAAGCTTCTCATCAGGCTT	GCAAAAA	1080		
Qy	1081	AAAAA	AAAAAAAAAAAAA	1098			
Db	1081	AAAAA	AAAAAAAAAAAAA	1098			

RESULT, T 7

US-10-219-535-205
; Sequence 205, Application US/10219535
; Publication No. US2004004179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey

```

1  APPLICANT: Godowski, Paul J.
2  APPLICANT: Grimaldi, J. Christopher
3  APPLICANT: Gurney, Austin L.
4  APPLICANT: Smith, Victoria
5  APPLICANT: Stephan, Jean-Philippe F.
6  APPLICANT: Watanabe, Colin L.
7  APPLICANT: Wood, William I.
8  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
9  TITLE OF INVENTION: ACIDS ENCODING THE SAME
10 FILE REFERENCE: P3530P1C60
11 CURRENT APPLICATION NUMBER: US/10/219,535
12 CURRENT FILING DATE: 2002-08-14
13 PRIOR APPLICATION NUMBER: 10/119,480
14 PRIOR FILING DATE: 2002-04-09
15 PRIOR APPLICATION NUMBER: 60/059113
16 PRIOR FILING DATE: 1997-09-17
17 PRIOR APPLICATION NUMBER: 60/062287
18 PRIOR FILING DATE: 1997-10-17
19 PRIOR APPLICATION NUMBER: 60/063549
20 PRIOR FILING DATE: 1997-10-28
21 PRIOR APPLICATION NUMBER: 60/064103
22 PRIOR FILING DATE: 1997-10-31
23 PRIOR APPLICATION NUMBER: 60/069873
24 PRIOR FILING DATE: 1997-12-17
25 PRIOR APPLICATION NUMBER: 60/078910
26 PRIOR FILING DATE: 1998-03-20
27 PRIOR APPLICATION NUMBER: 60/079294
28 PRIOR FILING DATE: 1998-03-25
29 PRIOR APPLICATION NUMBER: 60/079656
30 PRIOR FILING DATE: 1998-03-26
31 PRIOR APPLICATION NUMBER: 60/079728
32 PRIOR FILING DATE: 1998-03-27
33 REMAINING Prior Application data removed - See File Wrapper or PALM.
34 NUMBER OF SEQ ID NOS: 246
35 SEQ ID NO 205
36 LENGTH: 1098
37 TYPE: DNA
38 ORGANISM: Homo Sapien
39 US-10-219-535-205

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Matches 1998; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;
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Db	1	GCGACGCGGGGGGGGGAGAGAAACGCGGCCGCGCGCGCCGCGCCTTGGAGA	60	
QY	61	TGGTCCC CGGCGCGCGGGGTGGTTGTCTGTGTCTTGGCTCCCGCGTCGCTCGCGG	120	
Db	61	TGCTCCCCGGCGCGGGGTGGTTGTCTGTGTCTTGGCTCCCGCGTGGTTCGCGG	120	
QY	121	CCCAGCGTTCGGTATCCATGATTATTGTACTTTCAAGTCTGAGTCTCGGGACATTC	180	
Db	121	CCCAGGGTTCGGTATCCATGATTATTGTACTTTCAAGTCTGAGTCTCGGGACATTC	180	
QY	181	GATACATCTTTCACAGCCACACCTGCCAAGGACTTTTGGTGTATCTTTTCACAACAGGTATG	240	
Db	181	GATACATCTTTCACAGCCACACCTGCCAAGGACTTTTGGTGTATCTTTTCACAACAGGTATG	240	
QY	241	AGCAGATTCACTTGTCCCGCTGAACCTCCAGAGGCCTGCGGGAACTCAGCAACGGTT	300	
Db	241	AGCAGATTCACTTGTCCCGCTGAACCTCCAGAGGCCTGCGGGAACTCAGCAACGGTT	300	
QY	301	TCTTTCATCCAGGACCAGATTGCTCTGGTGGAGAGGGGGGGTGTCTCTCTCTCCAAGA	360	
Db	301	TCTTTCATCCAGGACCAGATTGCTCTGGTGGAGAGGGGGGGTGTCTCTCTCTCCAAGA	360	
QY	361	CTCGGGTGGTTCAGGAGCACGGCGGGCGGGCGGTGATCATCTCTGACAAOCGATTTGACA	420	
Db	361	CTCGGGTGGTTCAGGAGCACGGCGGGCGGGCGGTGATCATCTCTGACAAOCGATTTGACA	420	
QY	421	ATGACAGCTTCTACGTGGAGATGATCCAGGACAGTATCCAGCGCACAGCTGACATCCCGG	480	

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; TITLE OF INVENTION: ACIDS ENCODING THE SAME

;; FILE REFERENCE: P3430R1C41

;; CURRENT APPLICATION NUMBER: US/10/174,581

;; CURRENT FILING DATE: 2002-06-18

;; PRIOR APPLICATION NUMBER: 10/052586

;; PRIOR FILING DATE: 2002-01-15

;; PRIOR APPLICATION NUMBER: 60/059263

;; PRIOR FILING DATE: 1997-09-18

;; PRIOR APPLICATION NUMBER: 60/059266

;; PRIOR FILING DATE: 1997-09-18

;; PRIOR APPLICATION NUMBER: 60/062250

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/063120

;; PRIOR FILING DATE: 1997-10-24

;; PRIOR APPLICATION NUMBER: 60/063121

;; PRIOR FILING DATE: 1997-10-24

;; PRIOR APPLICATION NUMBER: 60/063486

;; PRIOR FILING DATE: 1997-10-21

;; PRIOR APPLICATION NUMBER: 60/063540

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063541

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063544

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063564

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063734

;; PRIOR FILING DATE: 1997-10-29

;; PRIOR APPLICATION NUMBER: 60/063870

;; PRIOR FILING DATE: 1997-10-31

;; PRIOR APPLICATION NUMBER: 60/064103

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;; PRIOR APPLICATION NUMBER: 60/065311

;; PRIOR FILING DATE: 1997-11-13

;; PRIOR APPLICATION NUMBER: 60/066120

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;; PRIOR APPLICATION NUMBER: 60/066466

;; PRIOR FILING DATE: 1997-11-24

;; PRIOR APPLICATION NUMBER: 60/066772

;; PRIOR FILING DATE: 1997-11-24

;; PRIOR APPLICATION NUMBER: 60/069335

;; PRIOR FILING DATE: 1997-12-11

;; PRIOR APPLICATION NUMBER: 60/069425

;; PRIOR FILING DATE: 1997-12-12

;; PRIOR APPLICATION NUMBER: 60/069870

;; PRIOR FILING DATE: 1997-12-17

;; PRIOR APPLICATION NUMBER: 60/068017

;; PRIOR FILING DATE: 1997-12-18

;; PRIOR APPLICATION NUMBER: 60/077450

;; PRIOR FILING DATE: 1998-03-10

;; PRIOR APPLICATION NUMBER: 60/077632

;; PRIOR FILING DATE: 1998-03-11

;; PRIOR APPLICATION NUMBER: 60/077649

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;; PRIOR FILING DATE: 1998-03-27

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;; PRIOR APPLICATION NUMBER: 60/080107

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;; PRIOR FILING DATE: 1998-04-21

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;; PRIOR FILING DATE: 1998-04-21

;; PRIOR APPLICATION NUMBER: 60/082704

;; PRIOR FILING DATE: 1998-04-22

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;; PRIOR FILING DATE: 1998-04-22

;; PRIOR APPLICATION NUMBER: 60/083322

;; PRIOR FILING DATE: 1998-04-28

;; PRIOR APPLICATION NUMBER: 60/083495

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;; PRIOR APPLICATION NUMBER: 60/084366

;; PRIOR FILING DATE: 1998-05-05

;; PRIOR APPLICATION NUMBER: 60/084414

;; PRIOR FILING DATE: 1998-05-06

;; PRIOR APPLICATION NUMBER: 60/084639

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;; PRIOR APPLICATION NUMBER: 60/085579

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;; PRIOR FILING DATE: 1998-06-04

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;; PRIOR FILING DATE: 1998-06-04

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;; PRIOR FILING DATE: 1998-06-05

;; PRIOR APPLICATION NUMBER: 60/088212

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Db	421	ATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCAGCGCACAGCTGACATCCCCG	480
QY	481	CCCTCTTCTGCTCGCCCGAGACGCTACATGATCCGCGCTCTCTGGAACAGCATGGCG	540
Db	481	CCCTCTTCTGCTCGCCCGAGACGCTACATGATCCGCGCTCTCTGGAACAGCATGGCG	540
QY	541	TGCGCATGGGCCATCATTTCCATCCAGTCAATGTCCAGCATCCGCCACTTTGAGCTGC	600
Db	541	TGCGCATGGGCCATCATTTCCATCCAGTCAATGTCCAGCATCCGCCACTTTGAGCTGC	600
QY	601	TGCAACGCCCTGGACCTTCTGGTAGAAGATTTGTCCCATCTCCAGGCATAAGTGACT	660
Db	601	TGCAACGCCCTGGACCTTCTGGTAGAAGATTTGTCCCATCTCCAGGCATAAGTGACT	660
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QY	901	GCGTAGAGCCATCTGTGACCTGTGCACATCACCTGGCTCCAGCTCCCTACCCAGGGT	960
Db	901	GCGTAGAGCCATCTGTGACCTGTGCACATCACCTGGCTCCAGCTCCCTACCCAGGGT	960
QY	961	CTCTGCACAGTACCTTCCAGCAGTGTGTTGGAGTGGTTTAAAGAGCTCGTGTTGGGGA	1020
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QY	1021	CTCAATAACCCCTCACTGACTTTTACCAATAAGCTTCTCATCAGGTTGCAGAAAAAA	1080
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QY	1081	AAAAAAAAAAAAAAAAAAAA 1098	
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RESULT 15

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US-10-176-914-605
; Sequence 605, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; FILE REFERENCE: P34301C83
; CURRENT APPLICATION NUMBER: US/10/176,914
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612

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Qy	1021	CTCAATAAACCCCTCAGTCTTTTAGCAATAAAGCTTCTCATCAGGGTTGCAAAAAA	1080
Db	1021	CTCAATAAACCCCTCAGTCTTTTAGCAATAAAGCTTCTCATCAGGGTTGCAAAAAA	1080
Qy	1081	AAAAAAAAAAAAAAAAA	1098
Db	1081	AAAAAAAAAAAAAAAAA	1098

Search completed: June 18, 2004, 04:59:35
Job time : 717 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 18, 2004, 00:56:31 ; Search time 4529 Seconds
(without alignments)
7239.716 Million cell updates/sec

Title: US-10-017-306A-375
Perfect score: 1098
Sequence: 1 ggcacgcggcgggggcgc.....aaaaaaaaaaaaaaaaaa 1098

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 27513289 seqs, 14931090276 residues

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- EST:
1: em_estba:*
2: em_esthum:*
3: em_estin:*
4: em_estnu:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_htc:*
9: gb_est1:*
10: gb_est2:*
11: gb_htc:*
12: gb_est3:*
13: gb_est4:*
14: gb_est5:*
15: em_estfun:*
16: em_estom:*
17: em_gss_hum:*
18: em_gss_inv:*
19: em_gss_pln:*
20: em_gss_vrt:*
21: em_gss_fun:*
22: em_gss_mam:*
23: em_gss_mus:*
24: em_gss_pro:*
25: em_gss_rtd:*
26: em_gss_phg:*
27: em_gss_vrl:*
28: gb_gss1:*
29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	887	80.8	949	12	BI765256
2	866.4	78.9	931	13	EX362403
3	860.6	78.4	923	13	EX362402
4	847.4	77.2	898	12	BI262294

5	800.4	72.9	883	13	BUS35678
6	800.2	72.9	867	13	BUS43314
7	780.2	71.1	918	10	BE794928
8	765.4	69.7	1017	12	BM556790
9	750.4	68.3	790	12	BG476497
10	749.4	68.3	901	14	CA489629
11	746.2	68.0	941	10	BE299531
12	728.6	66.0	942	14	CA487422
13	718.2	65.4	813	12	EG789786
14	717	65.3	736	14	CA411866
15	715	65.1	734	12	EM674748
16	713.2	65.0	721	12	EM675323
17	712.4	64.9	914	14	CA489764
18	711.8	64.8	716	14	CA431203
19	706.2	64.3	725	12	BM980396
20	706	64.3	714	14	CB243898
21	705	64.2	774	14	CF453608
22	703.8	64.1	999	10	BE900351
23	699.4	63.7	796	10	BE613089
24	693.8	63.2	720	14	CA430357
25	691.8	63.0	793	10	BE299911
26	686.2	62.5	701	10	BE887469
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28	683.2	62.2	738	12	B115718
29	680.8	62.0	733	12	B1759766
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33	671.6	61.2	733	12	BG770178
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40	615.8	56.1	839	13	BH932162
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42	608.8	55.4	631	10	BE251343
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44	602	54.8	863	12	BI261759
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ALIGNMENTS

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LOCUS 603050352F1 NIH_MGC_116 Homo sapiens CDNA clone IMAGE:5190564 5', linear EST 25-SEP-2001
DEFINITION mRNA sequence.
ACCESSION BI765256
VERSION BI765256.1 GI:15756834
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae
REFERENCE 1 (bases 1 to 949)
TITLE NIH-MGC Institutes of Health, Mammalian Gene
AUTHORS National Institutes of Health
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapps@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.
DNA Sequencing by: Incyte Genomics
Clone distribution: MGC clone database
found through the I.M.A.G.E. Consortium
http://image.llnl.gov
Plate: L1AM11476 row: 9 column: 1
High quality sequence stored

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	887	80.8	949	12	BI765256
2	866.4	78.9	931	13	EX362403
3	860.6	78.4	923	13	EX362402
4	847.4	77.2	898	12	BI262294

152 CTTTCAAGTCTCAGTCTGGGACATTCGATACATCTTCACAGCCACACCTGCCAAGGA 211
 183 CTTTCAAGTCTCAGTCTGGGACATTCGATACATCTTCACAGCCACACCTGCCAAGGA 242
 212 CTTTGGTGGTATCTTTACACAGGTATGAGCAGATTCACCTTGTCCCGGCTGACCTCC 271
 243 CTTTGGTGGTATCTTTACACAGGTATGAGCAGATTCACCTTGTCCCGGCTGACCTCC 302
 272 AGAGGCTCGCGGGAATCAGCAACGGTTCTTCTATCCAGGACCCAGATGCTCTGGTGA 331
 303 AGAGGCTCGCGGGAATCAGCAACGGTTCTTCTATCCAGGACCCAGATGCTCTGGTGA 362
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 632 TTTGTCGCCATTCAGCCATTAAGTGAATCTGAGCTGGGAAAGGGGAAACCCAGGAATTT 691
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 752 TTGGGCGTGTCTAGCTGAAGGGAAGCCACACCTGCTTCCCTTCCCGAGGGCCCC 811
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 812 CAAGGCTGTCTATGCTACAGAGGAGCAAGAGCAGGCCCCAGGGCTTCTGGCTAGAA 871
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 872 CCGAAACAAAGGAGCTGAAGGCGAGTG 900
 903 CCGAAACAAAGGAGCTGAAGGCGAGTG 931

RESULT 3
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 LOCUS
 DEFINITION
 Homo sapiens T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED
 ACCESSION
 VERSION
 KEYWORDS
 EST.
 SOURCE
 ORGANISM
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 923)
 Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 CONTACT: Genoscope
 Genoscope - Centre National de Sequencage
 BP 191 91006 EVRY cedex - France
 Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 1554.r For more information about this cluster, see <http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DJ014CH10NP1&cluster=1554.r>. Contact : Feng Liang Email : liang@lifetech.com URL : <http://fulllength.invitrogen.com/InvitrogenCorporation1600FaradayAvenueGenoscopeSequenceID:CS0DJ014CH10NP1>.
 Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DJ014P19"
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 /note="1st strand cDNA was primed with a NotI-oligo(GT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."
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Query Match 78.4%; Score 860.6; DB 13; Length 923;
 Best Local Similarity: 97.6%; Pred. No. 2.5e-116;
 Matches 869; Conservative 12; Mismatches 8; Indels 1; Gaps 1;
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 QY 192 ACAGCCACACCTGCCAAGGACTTTTGGTGTATCTTTCACACAGGATGAGCAGATTCA 251
 DB 863 ACAGCCACACCTGCCAAGGACTTTTGGTGTATCTTTCACACAGGATGAGCAGATTCA 804
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 DB 743 GACCAGATTGCTCTGCTGGAGAGGGGGGCTGCTTCTCTCCAAAGCTCGGGTGGTC 684
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 QY 432 TAGCTGGAGATGATCCAGGACAGTACCCAGCGCAGCTGACATCCCGCCCTTCTCTG 491
 DB 623 TAGCTGGAGATGATCCAGGACAGTACCCAGCGCAGCTGACATCCCGCCCTTCTCTG 564
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 QY 672 AGGGGAAACCCAGGAATTTTCTACTTTGGAATTTGGAGATGAGCATCTGGGGGCAAGTGA 731
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 QY 732 GCCAGGTAGAGGAAAGGTTTGGCGCTTCTAGGCTGAAAGGAGCCACACCTGGC 791
 DB 323 GCCAGGTAGAGGAAAGGTTTGGCGCTTCTAGGCTGAAAGGAGCCACACCTGGC 264
 QY 792 CTTTCCCTTCCCGAGGGGGCCCCCAAGGGTGTCTCTCATGCTACAAAGAGGCGCAAGACAGGC 851

FEATURES source

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Db      263  CTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAAGAGAGGCAAGACAGCG 204
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Db      203  CCCAGGGCTTCTGGCTAGAACCCGAAACAAAGAGCTGAAGCAGCTGGCTGAGAGCC 144
Qy      912  ATCTGTGACCTGTGCACACTCAGCTGCTCCAGCTCCCTCCCTACCCAGGGTCTCTGCACAGT 971
Db      143  ATCTGTGACCTGTGCACACTCAGCTGCTCCAGCTCCCTCCCTACCCAGGGTCTCTGCACAGT 84
Qy      972  GACCTTCACAGCAGTGTGTGGAGTGTGTAAAGAGCTGCTGTGGGAC 1021
Db      83  GACCTTCACCCMSYSCSG-SKGGTTTAAAGAGCTGTGTGGGANC 35

RESULT 4
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LOCUS      898 bp mRNA linear EST 17-JUL-2001
DEFINITION 602954090T1 NIH_MGC_99 Homo sapiens cDNA clone IMAGE:5087974 3',
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ACCESSION  BI262294
VERSION     BI262294.1 GI:14822366
KEYWORDS   EST.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
            1 (bases 1 to 898)
            NIH-MGC http://mgc.nci.nih.gov/.
            National Institutes of Health, Mammalian Gene Collection (MGC)
            Unpublished (1999)
            Contact: Robert Strausberg, Ph.D.
            Email: cgaabs@email.nih.gov
            Tissue Procurement: Dr. Louis Staudt, M.D., Ph.D. cDNA Library
            Preparation: Ling Hong/Rubin Laboratory
            cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
            DNA Sequencing by: InCyte Genomics, Inc.
            Clone distribution: MGC clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            http://image.llnl.gov
            Plate: LLCMI846 row: d column: 23
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                /clone_lib="NIH_MGC_99"
                /note="organ: lymph; Vector: pOTB7; Site_1: XhoI; Site_2:
                EcoRI; cDNA made by oligo-dT priming. Directionally cloned
                into EcoRI/XhoI sites using the following 5' adaptor:
                GGCAGAG(G). Size-selected >500bp for average insert size
                1.8kb. Library constructed by Ling Hong in the laboratory
                of Gerald M. Rubin (University of California, Berkeley)
                using ZAP-cDNA synthesis kit (Stratagene) and Superscript
                II RT (Life Technologies). Note: this is a NIH_MGC
                Library."

ORIGIN
Query Match 77.2%; Score 847.4; DB 12; Length 898;
Best Local Similarity 99.1%; Pred. No. 2.2e-114;
Matches 873; Conservative 0; Mismatches 6; Indels 2; Gaps 2;

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Qy      224  CTTTCACACAGGTATGAGCAGATTACCTTGTCCCGCTGAACCTCCAGAGCGCTCGCG 283

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Qy      284  GGAATCAGCAACGGTTTCTTCATCCAGGACAGATTGCTCTGTTGAGAGGGGGGCTG 343
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Qy      464  CACAGCTGACATCCCGCCCTCTTCCTGCTCGGCGGAGCGGCTACATGATCCCGCGCTC 523
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Qy      524  TCTGGAAACAGCATGGGCTGCCATGGCCATCATTTCCATCCAGTCAATGTCCACAGCAT 583
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Qy      764  AGGCTGAAAGGGAAGCCACACCTGGCTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTC 823
Db      299  AGGCTGAAAGGGAAGCCACACCTGGCTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTC 240
Qy      824  ATGCTCAAGAGAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 883
Db      239  ATGCTCAAGAGAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
Qy      884  GGAGCTGAAGGAGAGTGGCTCAGAGCCATCTGACCTGTCCACACTCAGCTGGCTCCAG 943
Db      179  GGAGCTGAAGGAGAGTGGCTCAGAGCCATCTGACCTGTCCACACTCAGCTGGCTCCAG 120
Qy      944  CTTCCCTTACCAGGGTCTCTGCACAGTGCACCTTCCAGAGCAGTTGTTGGAGTGGTTAAA 1003
Db      119  CTTCCCTTACCAGGGTCTCTGCACAGTGCACCTTCCAGAGCAGTTGTTGGAGTGGTTAAA 60
Qy      1004  GAGCTGGTGTGTTGGGAGTCATTAACCTCTACTACTCTTT 1044
Db      59  GAGCTGGTGTGTTGGGAGTCATTAACCTCTACTACTCTTT 20

BUS35678      883 bp mRNA linear EST 13-SEP-2002
AGENCOURT 10217855 NIH_MGC_107 Homo sapiens cDNA clone
IMAGE:8563370 5', mRNA sequence.
BUS35678
BUS35678.1 GI:22846119
ACCESSION  BUS35678
VERSION     BUS35678
KEYWORDS   EST.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
            1 (bases 1 to 883)
            NIH-MGC http://mgc.nci.nih.gov/.
            National Institutes of Health, Mammalian Gene Collection (MGC)
            Unpublished (1999)
            Contact: Robert Strausberg, Ph.D.

```

Email: cgabbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2740 row: c column: 18
High quality sequence stop: 718.

FEATURES
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/tissue_type="adenocarcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_107"
/notes="Organ: breast; Vector: pOTB7; Site:1: EcoRI; Site:2: XhoI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."

ORIGIN
Query Match 72.9%; Score 800.4; DB 13; Length 883;
Best Local Similarity 99.8%; Pred. No. 1.6e-107;
Matches 812; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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QY 345 TCCCTTCCTCCAGACTCGGGTGTCCAGGACAGCGCGCGGGCGGTGATCATCTCT 404
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QY 405 GACACGCGAGTTGACATGACAGCTTTCTACGTGGAGATGATCCAGGACAGTACCAGCGC 464
Db 241 GACACGCGAGTTGACATGACAGCTTTCTACGTGGAGATGATCCAGGACAGTACCAGCGC 300

QY 465 ACAGTGTACATCCCGCCCTCTTCTGCTCGGCGAGACGGTACATGATCCGGGCTCT 524
Db 301 ACAGTGTACATCCCGCCCTCTTCTGCTCGGCGAGACGGTACATGATCCGGGCTCT 360

QY 525 CTGGAAACAGATGGGTGCGATGGCGCATCTTTCCATCCAGTCAATGTCCACGAGATC 584
Db 361 CTGGAAACAGATGGGTGCGATGGCGCATCTTTCCATCCAGTCAATGTCCACGAGATC 420

QY 585 CCCACCTTTGAGTGTGTCGAAACCGCCCTGGACCTTCTGTGTAGAGAGTTTGTCCACATT 644
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QY 645 CCAGCCATAGTGACTCTCAGCTGGGAGGGAACCCAGGAATTTTGTACTTCGGAATT 704
Db 481 CCAGCCATAGTGACTCTCAGCTGGGAGGGAACCCAGGAATTTTGTACTTCGGAATT 540

QY 705 TGGAGATAGCATCTGGGGACAAGTGGAGCCAGGTAGAGAAAGGGTTTGGCGTTGCTA 764
Db 541 TGGAGATAGCATCTGGGGACAAGTGGAGCCAGGTAGAGAAAGGGTTTGGCGTTGCTA 600

QY 765 GGCTGAAGAGGAAGCCACACACTGGCTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCA 824
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QY 825 TGCTACAAAGAGAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 884
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QY 885 GAGCTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 944
Db 721 GAGCTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780

QY 945 CTCCTCCCTACCCAGGGT-CTCTGCACAGTGACCTT 977
Db 781 CTCCTCCCTACCCAGGGTCTCTGCACAGTGACCTT 814

RESULT 6
BUS43314 867 bp mRNA linear EST 13-SEP-2002
LOCUS AGENCOURT_10326796 NIH_MGC_40 Homo sapiens cDNA clone IMAGE:6575358
DEFINITION 5', mRNA Sequence.
ACCESSION BUS43314
VERSION BUS43314.1 GI:22853797
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 867)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTF
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2772 row: c column: 06
High quality sequence stop: 719.
Location/Qualifiers
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/clone_lib="NIH_MGC_40"
/notes="Organ: prostate; Vector: pOTB7; Site:1: XhoI; Site:2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."

FEATURES
source
1..867
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6575358"
/tissue_type="carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
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/notes="Organ: prostate; Vector: pOTB7; Site:1: XhoI; Site:2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."

ORIGIN
Query Match 72.9%; Score 800.2; DB 13; Length 867;
Best Local Similarity 99.5%; Pred. No. 1.7e-107;
Matches 840; Conservative 0; Mismatches 8; Indels 5; Gaps 3;

QY 7 CGCGCGCGCGCGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 66
Db 1 CGCGCGCGCGCGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 60

QY 67 CGCGCGCGCGCGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 126


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670 GAAGGGGAAACCCAGGAATTTTCTACTTGGAAATTTGGAGATAGCATCTGGGGACAAGTG 729
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656 GAAGGGGAAACCCAGGAATTTTCTACTTGGAAATTTGGAGATAGCATCTGGGGACAAGTG 715
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730 GAGCCAGGTA--CAGGAAAGGGTTGGGGCTGTAGCTGAAAGGGGAAGCCACACCAC 787
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716 GAGCCAGGTACGAGGACAGGGTTTGGGGCTTGTAGGCTGAAGGGGAAGCCAAACCAT 775
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788 TGGCCCTTCCCTTCCCGAGGCCCCCAGAGGTGTCTCATGC-TACAAAGAGAGGCAAGAGA 846
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776 TGGCTTCCCTTCCCGAGGTCCCCAGAGGTGTCTCATGCTTACAAAGAGAGCGCAGAAG 835
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847 CAGGCCCCAGGGCTTCTGGCTAGAACCCGAA 877
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836 ACAGGGCCAGGGCTTTGGGTAGAACCGGAA 866
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RESULT 8
BM556790 1017 bp mRNA linear EST 20-FEB-2002
LOCUS AGENCOURT_6578460 NIH_MGC_41 Homo sapiens cDNA clone IMAGE:5467523
5', mRNA sequence.
ACCESSION BM556790
VERSION BM556790.1 GI:18798279
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1017)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabs-remail.nih.gov
Tissue Procurement: DCTD/DTP
CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: L1CM1969 row: k column: 12
High quality sequence stop: 688.
FEATURES
Location/Qualifiers
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/mol_type="mRNA"
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/note="Organ: skin; Vector: pOTB7; Site 1: XhoI; Site 2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCACGAG(G). Library constructed by Ling Hong in the
laboratory of Gerald M. Rubin (University of California,
Berkeley) using 2AP-cDNA synthesis kit (Stratagene) and
Superscript II RT (Life Technologies). Note: this is a
NIH_MGC Library."

ORIGIN
Query Match 69.7%; Score 765.4; DB 12; Length 1017;
Best Local Similarity 97.2%; Pred. No. 1.9e-102;
Matches 802; Conservative 0; Mismatches 16; Indels 7; Gaps 2;

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DB 66 GCGACGCGCGGGCGGCGGAGAGAAACCGGGCGCGGCGCGCGCGCGCTGGAGA 120
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QY 121 CCCACGGCTTCCGATCATGATATTATTGTACTTTCAAGTGTCTGAGTCTTGGGGACATTC 180
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DB 241 GATACATCTTCACAGCCACACCTCCCAAGGACTTTGGTGGTATCTTTCAACAAGGTATG 300
QY 241 AGCAGATTACCTTTGTCCCCGCTGAACCTCCAGAGGCTCGGGGGAACCTAGGAAACGGTT 300
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DB 361 TCTTCATCCAGGACCAAGATTGCTCTGTGGAGAGGGGGGCTGCTCTCTCTCTCCAAGA 420
QY 361 CTCGGGTGCTCCAGGAGCACGGCGGGCGGGTGATCATCTCTGACAAACGAGTTGACA 420
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DB 841 CCACACCACTGGCTTCCCTTCCCGAGGCGCCCCCAAGGGGTGTC 885

RESULT 9
BM556790
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mRNA sequence.
ACCESSION BM556790
VERSION BM556790.1 GI:13408776
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 790)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabs-remail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP

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cDNA Library Preparation: Ling Hong/Rubin Laboratory
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>

Plate: LLCMI405 row: b column: 09
 High quality sequence stop: 790.
 Location/Qualifiers

FEATURES

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 /note="Organ: skin; Vector: pOTB7; Site:1: XhoI; Site_2:
 EcoRI; cDNA made by oligo-dT priming. Directionally
 cloned into EcoRI/XhoI sites using the following 5'
 adaptor: GGACAG(G). Size-selected >500bp for average
 insert size 1.8kb. Library constructed by Ling Hong in
 the laboratory of Gerald M. Rubin (University of
 California, Berkeley) using ZAP-cDNA synthesis kit
 (Stratagene) and Superscript II RT (Life Technologies)."

ORIGIN

Query Match 68.3%; Score 750.4; DB 12; Length 790;
 Best Local Similarity 97.7%; Pred. No. 3.3e-100;
 Matches 771; Conservative 0; Mismatches 17; Indels 1; Gaps 1;
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 DB 1 GCTGAGTCTGGGACATTCGATATCATCTTCACGCCACCTGCCAAGGACTTTGGTGG 60
 QY 221 TATCTTTTACA CAAGTATGACAGATTCACTTTCCTCCCGTGAACCTCCAGAGGCTG 280
 DB 61 TATCTTTTACA CAAGTATGACAGATTCACTTTCCTCCCGTGAACCTCCAGAGGCTG 120
 QY 281 CGGGGAATCTCAGACGGTTTCTTCATCAGACACAGATTCTCTGTGGAGAGGGGG 340
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 DB 241 CTCTGACACCGAGTTGACATGACAGCTTCTACGTGGAGATGATCCAGGACGTACCCA 300
 QY 461 GGGCAGAGTGACATCCCGCGCTTCTCTGTCTGGCGGAGACGGCTACATGATCCGCG 520
 DB 301 GGGCAGAGTGACATCCCGCGCTTCTCTGTCTGGCGGAGACGGCTACATGATCCGCG 360
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 DB 361 CTCTCTGAAAGCATGGGTGCGATGGGCATCATTTTCATCCAGTCAATGTACACAG 420
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 QY 641 CATTCACGCATTAAGTGAATCTGAGCTGGAGGGGAAACCCAGGAATTTTGTACTTGG 700
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 QY 701 AATTTGGAGATAGCATCTGGGACAAAGTGGACGAGGTAGAGGAAAGGGTTTGGGGGTT 760
 DB 540 AATCTGGAGATAGCATCTGGGACAAAGTGGAGCCAGGTAGAGGAAAGGGTTTGGGGGTT 599
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 QY 821 CTATGCTCAAGAAGAGGCAAGAGACAGGCCCCAGGGCTTCTGGCTAGAACCCGAAACA 880
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 QY 881 AAAGGAGCTGAAGGCGAGGTGGCTGTAGAGCATCTGTGACCTGTTCACATCAGCTGGCTC 940
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RESULT 10
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 DEFINITION
 CA489629
 ACCESSION
 VERSION
 KEYWORDS
 SOURCE
 ORGANISM

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 AGENCOURT_10810644 MAPcL Homo sapiens cDNA clone IMAGE:6722107 5',
 mRNA sequence.
 CA489629
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 Homo sapiens (human)
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 NIH-MGC <http://imgc.ncbi.nih.gov/>.
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 Contact: Robert Strausberg, Ph.D.
 Email: cgabs@email.nih.gov

Tissue Procurement: Kristi A. Eglund, Ira Pastan
 cDNA Library Preparation: Invitrogen Corp
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
 Plate: LLCMI484 row: e column: 19
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FEATURES

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 Directionally cloned. Priming method: oligo-dT. Average
 insert size: 1800 bp. Library amplification: 26,000 fold.
 Kristi A. Eglund, James J. Vincent, Robert Strausberg,
 Bungkok Lee & Ira Pastan: Discovery of new breast
 cancer genes encoding membrane and secreted proteins.
 Manuscript submitted."

ORIGIN

Query Match 68.3%; Score 749.4; DB 14; Length 901;
 Best Local Similarity 97.3%; Pred. No. 4.3e-100;
 Matches 816; Conservative 0; Mismatches 16; Indels 7; Gaps 5;
 QY 8 GGGGGGGGGCGGAGAGAAACCGCGCGCGGGCGCGGGCCCTGGAGATGGTCCC 67
 Db 1 GGGGGGGGGCGGAGAGAAACCGCGCGGGCGCGGGCCCTGGAGATGGTCCC 60
 QY 68 CGGCGCGGGGCTGGTGTGTCTGTGCTTCCCGGCTGCTCGCGGCCACGG 127
 Db 61 CGGCGCGGGGCTGGTGTGTCTGTGCTTCCCGGCTGCTCGCGGCCACGG 120

found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov

Qy	128	CTTCGGTATCCAGTATTATTGTAATTTCAAGTCTGAGTCTGGGACATTCGATACAT	187
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Qy	188	CTTCACAGCCACACCTCCCAAGACTTTGGTGTATCTTTCACACAGGTATGAGCAGAT	247
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Qy	248	TCACCTTGTCCCGCTGAACCTCCAGAGGCTCGGGGAACTCAGCAACGGTTTCTTCAT	307
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Qy	488	CCTGCTGGCGGACAGCGCTACATGATCCGCGCTCTCTGAAACAGCATGGCTGCCATG	547
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Qy	548	GGCCATCATTTCCATCCAGTCAAATGTCAACAGATCCCAACCTTTGAGTGTGCAAC	607
Db	541	GGCCATCATTTCCATCCAGTCAAATGTCAACAGATCCCAACCTTTGAGTGTGCAAC	600
Qy	608	GGCTGGACCTTCTGTAGAGATTTGTCACATTCACAGCTTCCAGCCATAGTCACTGAGCT	667
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Qy	725	AAGTGGAGCCAGGTAGAGGAAAGGGTTT--GGCGTGTGCTAGCTGAAAGGGAGCCAC	782
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Qy	783	ACCACTGGCTTCCCTTCCCGAGGG--CCGCCAAGGGTGTCTCATGTACAAGAGAGG	839
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VERSION	BE299531.1		
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1 (bases 1 to 941)			
NIH-MGC http://mgi.nci.nih.gov/ .			
National Institutes of Health, Mammalian Gene Collection (MGC)			
Unpublished (1999)			
Contact: Robert Strausberg, Ph.D.			
Email: c9apbs-r@mail.nih.gov			
Tissue Procurement: ATCC			
cDNA Library Preparation: Ling Hong/Rubin Laboratory			
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)			
DNA Sequencing by: Incyte Genomics, Inc.			
Clone distribution: MGC clone distribution information can be			

FEATURES	source
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Location/Qualifiers	/db_xref="taxon:9606"
Location/Qualifiers	/clone="IMAGE:2960814"
Location/Qualifiers	/tissue_type="rhabdomyosarcoma"
Location/Qualifiers	/lab_host="DH10B (phage-resistant)"
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Location/Qualifiers	/notes="Organ: muscle; Vector: pOTB7; Site: 1: EcoRI; Site 2: XhoI; cDNA made by oligo-dr priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
Query Match	68.0%; Score 746.2; DB 10; Length 941;
Best Local Similarity	96.6%; Pred. No. 1.2e-99;
Matches	805; Conservative 0; Mismatches 23; Indels 5; Gaps 4;
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Db	471 ATCATTTCCATCCAGTCAATGTCCACAGCATCCCACTTTGAGCTGTCGACACGCC-CC 413
Qy	612 TGGACCTTCTGTAAGAGATTTCTCCCACTTCCAGCCATAAGTACTCTGAGCTGGGA 671
Db	412 TGGACCTTCTGTAAGAGATTTCTCCCACTTCCAGCCATAAGTACTCTGAGCTGGGA 353
Qy	672 AGGGGAAACCCAGGAAATTTTGCTACTTTGGAAATTTGGAGATAGCATCTGGGGACAAGTGA 731
Db	352 AGGGGAAACCCAGGAAATTTTGCTACTTTGGAAATTTGGAGATAGCATCTGGGGACAAGTGA 293
Qy	732 GCCAGGTAGAGGAAAGGTTTGGCGGTGCTAGGCTGAAAGGAGAGCCACACCACTGGC 791
Db	292 GCCAGGTAGAGGAAAGGTTTGGCGGTGCTAGGCTGAAAGGAGAGCCACACCACTGGC 233
Qy	792 CTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAAGAGAGGCAAGAGACAGGC 851
Db	232 CTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAAGAGAGGCAAGAGACAGGC 173
Qy	852 CCAGGGCTTCTGGCTAGAACCCGAAACAAAGAGCTGAAGCAGGTGGCTGGCTGAGAGCC 911

found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov			
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/clone="IMAGE:2960814"			
/tissue_type="rhabdomyosarcoma"			
/lab_host="DH10B (phage-resistant)"			
/clone_lib="NIH MGC 17"			
/note="Organ: muscle; Vector: pOTB7; Site 1: EcoRI; Site 2: XhoI; cDNA made by oligo-dT priming. Directionally cloned into EcoR/XhoI sites using the following 5' adaptor: GGCACAG(G). Size-selected for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."			
ORIGIN			
Query Match 68.0%; Score 746.2; DB 10; Length 941;			
Best Local Similarity 96.6%; Pred. No. 1.2e-99;			
Matches 805; Conservative 0; Mismatches 23; Indels 5; Gaps 4;			
Qy	193	CAGCCACACCTCCCAAGGACTTTGGTGTATCTTTCACACAGGTATGAGCAGATTCACC	252
Db	829	CAGCCACACCTCCCAAGGACTTTGGTGTATCTTTCACACAGTA--GAGCAGATTCACC	772
Qy	253	TTGTCCCGCTGAACCTCCAGAGGCTCGGGGAACTCAGCAACGGTTTTCATCCA-G	311
Db	771	TTGTCCCGCTGAACCTCCAGAGGCTCGGGGAACTCAGCAACGGTTTTCATCCAAG	712
Qy	312	GACCAAGTCTCTGGTGGAGAGGGGGCTGCTCTTCTCCAGACTCGGCTGTC	371
Db	711	GACCAAGTCTCTGGTGGAGAGGGGGCTGCTCTTCTCTCCAGACTCGGCTGTC	652
Qy	372	CAGGACACCGGGCGGGCGGTGATCATCTCTGACACGCGATTTGACAATGACAGTTC	431
Db	651	CAGGACACCGGGCGGGCGGTGATCATCTCTGACACGCGATTTGACAATGACAGTTC	592
Qy	432	TACGTGGAGATGATCCAGGACAGTACCCAGCGCAGCTGACATCCCGCCCTCTTCCTG	491
Db	591	TACGTGGAGATGATCCAGGACAGTACCCAGCGCAGCTGACATCCCGCCCTCTTCCTG	532
Qy	492	CTCGGCGAGAGCGGTACATGATCCGCGCTCTCTGGAACAGCATGGGCTGCCATGGGCC	551
Db	531	CTCGGCGAGAGCGGTACATGATCCGCGCTCTCTGGAACAGCATGGGCTGCCATGGGCC	472
Qy	552	ATCATTTCCATCCAGTCAATGTACACGATCCCAACCTTTGAGCTGCTGCAACGGGCC	611
Db	471	ATCATTTCCATCCAGTCAATGTACACGATCCCAACCTTTGAGCTGCTGCAACCG-CC	413
Qy	612	TGGACCTTCTGTAGAGAGTTTGTCCACATTCAGCCATTAAGTGACTCTGAGTGGGA	671
Db	412	TGGACCTTCTGTAGAGAGTTTGTCCACATTCAGCCATTAAGTGACTCTGAGTGGGA	353
Qy	672	AGGGGAAACCCAGGAAATTTTGCTACTTGGAAATTTGGAGATAGCATCTGGGACAAGTGA	731
Db	352	AGGGGAAACCCAGGAAATTTTGCTACTTGGAAATTTGGAGATAGCATCTGGGACAAGTGA	293
Qy	732	GCCAGTAGAGAAAGGTTTGGCGTGTAGCTGAAAGGAGCCACACCACTGCG	791
Db	292	GCCAGTAGAGAAAGGTTTGGCGTGTAGCTGAAAGGAGCCACACCACTGCG	233
Qy	792	CTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAAGAGGCAAGAGACAGC	851
Db	232	CTTCCCTTCCCGAGGGCCCCCAAGGGTGTCTCATGCTACAAGAGGCAAGAGACAGC	173
Qy	852	CCAGGGCTTCTGCTAGAACCCGAAACAAAGGAGCTGAGGAGGCTGCTGAGAGC	911


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Db      172 CCCAGGGCTTCGGCTAGAACCCGAAC-AAAGGAGCTGAAGGAGGTGGCTGAGACC 114
QY      912 ATCTGTGACCTGTACACTACCTGGCTCAGCCCTCCCTACCCAGGCTCTCTGACAGT 971
Db      113 ATCTGTGACCTGTACACTACCTGGCTCAGCCCTCCCTACCCAGGCTCTCTGACAGT 54
QY      972 GACCTTCACAGCAGTGTGTGAGTGGTTTAAAGACCTGGTGTTCGGGACATCA 1024
Db      53  GACCTTCACAGCAGTGTGTGAGTGGTTTAAATACCTCGGGGTGGGACTCA 1

RESULT 12
LOCUS   CA487422
DEFINITION AGENCOURT_10809469 MAPcL Homo sapiens cDNA clone IMAGE:6718517 5',
mRNA sequence.
ACCESSION CA487422
VERSION   CA487422.1 GI:24946782
KEYWORDS EST.
SOURCE   Homo sapiens (human)
ORGANISM Homo sapiens
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE   National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT  Contact: Robert Strausberg, Ph.D.
          Email: cgaabs@mail.nih.gov
          Tissue Procurement: Kristi A. Eglund, Ira Pastan
          cDNA Library Preparation: Invitrogen Corp
          DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
          DNA Sequencing by: Agencourt Bioscience Corporation
          Clone distribution: MGC clone distribution information can be
          found through the I.M.A.G.E. Consortium/LLNL at:
          http://image.llnl.gov
          Plate: LLNMI4274 row: p column: 05
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              /clone="IMAGE:6718517"
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              /lab_host="EMDH108"
              /clone_lib="MAPcL"
              /note="Vector: PCMV-SPORT6; Site_1: EcoRV; Site_2: Not I;
              Subtracted with brain, liver, lung, kidney and muscle.
              Directionally cloned. Priming method: oligo-dT. Average
              insert size: 1800 bp. Library amplification: 26,000 fold.
              Kristi A. Eglund, James J. Vincent, Robert Strausberg,
              Bungkook Lee & Ira Pastan: Discovery of new breast
              cancer genes encoding membrane and secreted proteins.
              Manuscript submitted."

FEATURES
source

ORIGIN
Query Match 66.0%; Score 724.6; DB 14; Length 942;
Best Local Similarity 93.8%; Pred. No. 1.8e-96;
Matches 800; Conservative 0; Mismatches 44; Indels 9; Gaps 4;

QY      1 CGAGCGCGCGCGCGCGAGAGAAACCGCGCGCGCGCGCGCGCGCGCGCGCGCGAG 60
Db      6 GGGAGCGCGCGCGGTTCGCGCGAGAGAAACGCGCGCGCGCGCGCGCGCGCGCGCG 60
QY      61 TGGTCCCGCGCGCGCGCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 120
Db      61 TGGTCCCGCGCGCGCGCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 120
QY      121 CCCAGGGTTCGGTATCCATGATTTATTTGCACCTTTCAAGTCTGAGTCTCTGGGACATTC 180

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Db      121 CCCAGGGTTCGGTATCCATGATTTATTTGCACCTTTCAAGTCTGAGTCTCTGGGACATTC 180
QY      181 GATACATCTTTACAGCCACACACTGCOAGGACCTTTGGTGGTATCTTTTCACACAAGGTATG 240
Db      181 GATACATCTTTACAGCCACACACTGCOAGGACCTTTGGTGGTATCTTTTCACACAAGGTATG 240
QY      241 AGCAGATTACCTTGTCCCGCTGACCTCCAGAGCCCTGCGGGAACTCAGCAACGGTT 300
Db      241 AGCAGATTACCTTGTCCCGCTGACCTCCAGAGCCCTGCGGGAACTCAGCAACGGTT 300
QY      301 TCTTCATCCAGGACCAAGATTGCTCTGTGTGAGAGGGGGGGCTGCTCTCTCTCTCTCAAGA 360
Db      301 TCTTCATCCAGGACCAAGATTGCTCTGTGTGAGAGGGGGGGCTGCTCTCTCTCTCTCAAGA 360
QY      361 CTGGGTGTCTCAGGAGCAGCGGGGGGGGGTGTATCTCTGACACGCAAGTTGACA 420
Db      361 CTGGGTGTCTCAGGAGCAGCGGGGGGGGGTGTATCTCTGACACGCAAGTTGACA 420
QY      421 ATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCAGCGGCACAGCTGACATCCCG 480
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QY      481 CCTCTTCTGTCTCGGCCGAGAGCGGTACATGATCGCGCGCTCTCTGGAACGCAATGGGC 540
Db      481 CCTCTTCTGTCTCGGCCGAGAGCGGTACATGATCGCGCGCTCTCTGGAACGCAATGGGC 540
QY      541 TGCATGGGGCCATCATTTCCATCCAGTCAATGTCAACAGCATCCACATCTTGAGCTGC 600
Db      541 TGCATGGGGCCATCATTTCCATCCAGTCAATGTCAACAGCATCCACATCTTGAGCTGC 600
QY      601 TGCAACCGCCCTGGACCTTCTGTGTAGAGAGTTGTGCCACATTCACGCCATAAGTACT 660
Db      601 TGCAACCGCCCTGGACCTTCTGTGTAGAGAGTTGTGCCACATTCACGCCATAAGTACT 660
QY      661 CTGAGCTGGG-AAGGGGAACCCAGGAATTTGCTACTTTGGAATTTGGAGATAGCATCT- 718
Db      661 CTGAGCTGGGCAAGGGGAACCCAGGAATTTGCTACTTTGGAATTTGGAGATAGCATCT 720
QY      719 GGGGACAAGTGGAGCCAGGTAGAGGAAAAA--GGGTTTGGGGCTTCTAGGCTGAAAGGA 776
Db      721 GGGGACAAGTGGAGCCAGGTAAAGGAAAAAGGTTTGGCGCTTCTGAAGTTGAAAGGG 780
QY      777 AGCCACACCACTGGCTTCCCTTCCCGAGGCGCCCAAGGGTGTCTCATGCTACAGAG 836
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QY      837 AGGCAAGAGACAG 849
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RESULT 13
LOCUS   BG769786
DEFINITION 602744692F1 NIH_MGC_49 Homo sapiens cDNA clone IMAGE:487639 5',
mRNA sequence.
ACCESSION BG769786
VERSION   BG769786.1 GI:14080439
KEYWORDS EST.
SOURCE   Homo sapiens (human)
ORGANISM Homo sapiens
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE   National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT  Contact: Robert Strausberg, Ph.D.
          Email: cgaabs@mail.nih.gov
          Tissue Procurement: ATCC/DCTD/DTp
          cDNA Library Preparation: Ling Hong/Rubin Laboratory
          cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
          DNA Sequencing by: Incyte Genomics, Inc.

```


COMMENT

Contact: Soares, ME
Coordinated Laboratory for Computational Genomics
University of Iowa
375 Newton Road , 4156 MEBRF, Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
Email: bento-soares@uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
Seq primer: M13 Forward
polyA+vec

FEATURES

Location/Qualifiers

1. .734

/organism="Homo sapiens"

/mol_type="mRNA"

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/clone="UI-E-EJ0-ahm-04-0-UI"

/tissue_type="fetal eyes, lens, eye anterior segment, optic nerve, retina, Retina Foveal and Macular, RPE and Choroid"

/dev_stage="fetal and adult"

/lab_host="DH10B (Life Technologies) (T1 phage resistant)"

/clone_lib="UI-E-EJ0"

/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a modified polylinker; Site.1: Ecor I; Site.2: Not I; UI-E-EJ0 is a subcloned cDNA library constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an Ecor I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tags for this library are: fetal eyes, AGAATTCAGA; lens, CGATTACCGA; eye anterior segment, CATGCCGAT; optic nerve, CCATTAGTC; retina, CCGCG; Retina Foveal and Macular, GTCC; RPE and Choroid, ACCTA. This library was created for the program, Gene discovery in the Visual System, supported by National Eye Institute (NEI). TAG TISSUE=RPE and Choroid

TAG LIB=UI-E-EJ0

TAG_SEQ=ACCTA"

ORIGIN

Query Match 65.1%; Score 715; DB 12; Length 734;
Best Local Similarity 99.2%; Pred. No. 4.9e-95;
Matches 729; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

351	QY	CTCTCCAAAGACTCGGGTGTCTCAGGACACGGCGGGCGGTGATCATCTCTGCAAC	410
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411	QY	GCAGTTGCAATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCAGCGCACAGT	470
675	Db	GCAGTTGCAATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCAGCGCACAGT	616
471	QY	GACATCCCGCCCTCTTCTCTGTCCGCCAGACGGCTACATGATCGCCCGCTCTCTGGAA	530
615	Db	GACATCCCGCCCTCTTCTCTGTCCGCCAGACGGCTACATGATCGCCCGCTCTCTGGAA	556
531	QY	CAGCATGGCTCGCATGGGCCATCATTTCCATCCAGTCAATGTACAGACATCCCAAC	590
555	Db	CAGCATGGCTCGCATGGGCCATCATTTCCATCCAGTCAATGTACAGACATCCCAAC	496
591	QY	TTTGAGCTGCTCAACCGCCCTGGACCTTCTGTTAGAGAGTTTGTCACATTCAGGC	650
495	Db	TTTGAGCTGCTCAACCGCCCTGGACCTTCTGTTAGAGAGTTTGTCACATTCAGGC	436

QY	349	TCTCTCCAAAGACTCTGGTGTCTCAGAGACACGGCGGGCGGTGATCATCTCTGACA	408
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QY	409	ACGCAGTTTGACAAATGACAGCTTTACGTGGAGATGATCCAGGACAGTACCCAGCGCACAG	468
Db	677	ACGCAGTTTGACAAATGACAGCTTTACGTGGAGATGATCCAGGACAGTACCCAGCGCACAG	618
QY	469	CTGACATCCCGCCCTCTTCTCGTCTCGGCGAGACGGCTACATGATCCGCGCTCTCTGG	528
Db	617	CTGACATCCCGCCCTCTTCTCGTCTCGGCGAGACGGCTACATGATCCGCGCTCTCTGG	558
QY	529	AACAGCATGGGCTGCATCGGCGCATATTTCCATCCAGTCAATGTCACAGCATCCCCA	588
Db	557	AACAGCATGGGCTGCATCGGCGCATATTTCCATCCAGTCAATGTCACAGCATCCCCA	498
QY	589	CTTTTGAAGCTGTGCAACCGCCCTGGACCTTCTGTGTAGAGAGTTTGTGCCACATCCAG	648
Db	497	CTTTTGAAGCTGTGCAACCGCCCTGGACCTTCTGTGTAGAGAGTTTGTGCCACATCCAG	438
QY	649	CCATAAGTGACTCTGAGCTGGAGAGGGGAAACCCAGGAAATTTTGTCTACCTGGAAATTTGGA	708
Db	437	CCATAAGTGACTCTGAGCTGGAGAGGGGAAACCCAGGAAATTTTGTCTACCTGGAAATTTGGA	378
QY	709	GATAGCATCTCGGACCAAGTGGAGCCAGGTAGAGGAAAAGGGTTTGGCGTTGTAGGCT	768
Db	377	GATAGCATCTCGGACCAAGTGGAGCCAGGTAGAGGAAAAGGGTTTGGCGTTGTAGGCT	318
QY	769	GAAAGGGAAGCCACACACATGGCTTCCCTTCCCGCAGGCGCCCGCAGGGTGTCTCATGCT	828
Db	317	GAAAGGGAAGCCACACACATGGCTTCCCTTCCCGCAGGCGCCCGCAGGGTGTCTCATGCT	258
QY	829	ACAAGAAGAGGCAAGAGACAGAGCGCCCGCCAGGCTTCTGGCTAGAACCCGAAACAAAAGGAGC	888
Db	257	ACAAGAAGAGGCAAGAGACAGAGCGCCCGCCAGGCTTCTGGCTAGAACCCGAAACAAAAGGAGC	198
QY	889	TGAAGGCAAGGTGGCTGAGAGCCATCTGTGACCTGTTCACACTCAGCTGGCTCCAGCTCC	948
Db	197	TGAAGGCAAGGTGGCTGAGAGCCATCTGTGACCTGTTCACACTCAGCTGGCTCCAGCTCC	138
QY	949	CTTACCCAGGGTCTCTGCACAGTCAACCTTCACAGCAGTTGTTGGAGTGGTTTAAAGAGCT	1008
Db	137	CCTACCCAGGGTCTCTGCACAGTCAACCTTCACAGCAGTTGTTGGAGTGGTTTAAAGAGCT	78
QY	1009	GGTGTGTTGGGACTCAATAAACCTTACTGACTTTTGTAGCAATAAGCTTCTCATCAGG	1068
Db	77	GGTGTGTTGGGACTCAATAAACCTTACTGACTTTTGTAGCAATAAGCTTCTCATCAGG	18
QY	1069	TTGCAAAAAAAAAAAAAA	1085
Db	17	AAAAAAAAAAAAAAAAAAAA	1
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LOCUS	BM674748	734 bp	mRNA linear EST 27-FEB-2002
DEFINITION	UI-E-EJ0-ahm-e-04-0-UI.s1 UI-E-EJ0 Homo sapiens cDNA clone		
ACCESSION	BM674748		
VERSION	BM674748.1		
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eucheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	1 (bases 1 to 734)		
JOURNAL	Ronald,M.F., Lemmon,G. and Soares,M.B.		
MEDLINE	Normalization and subtraction: two approaches to facilitate gene		
PUBMED	discovery		
	Genome Res. 6 (9), 791-806 (1996)		
	97044477		
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QY	651	ATAAGTGACTCTGAGCTGGGAAGGGGAAACCCAGGAATTTTGCTACTTTGGAATTTGGAGA	710
Db	435	ATAAGTGACTCTGAGCTGGGAAGGGGAAACCCAGGAATTTTGCTACTTTGGAATTTGGAGA	376
QY	711	TAGCATCTGGGGACAAGTGGAGCAGGTAGAGGAAAGGGTTTGGCGTTTGTCTAGGCTGA	770
Db	375	TAGCATCTGGGGACAAGTGGAGCAGGTAGAGGAAAGGGTTTGGCGTTTGTCTAGGCTGA	316
QY	771	AAGGGAAGCCACACCACTGGCCCTTCCCTTCCCAAGGGCCCCCAAGGGTGTCTCATGCTAC	830
Db	315	AAGGGAAGCCACACCACTGGCCCTTCCCTTCCCAAGGGCCCCCAAGGGTGTCTCATGCTAC	256
QY	831	AAGAAGAGGCAAGAGACAGGCCCCAGGGCTTCTGGCTAGAACCCGAAACAAAAGGAGCTG	890
Db	255	AAGAAGAGGCAAGAGACAGGCCCCAGGGCTTCTGGCTAGAACCCGAAACAAAAGGAGCTG	196
QY	891	AAGCCAGGTGGCCTGAGAGCCATCTGTGACCTGTACACTCACCTGGCTCCAGCCTCCCC	950
Db	195	AAGCCAGGTGGCCTGAGAGCCATCTGTGACCTGTACACTCACCTGGCTCCAGCCTCCCC	136
QY	951	TACCCAGGGTCTCTGCACAGTGACCTTCACAGCAGTTGTTGGAGTGGTTTAAAGAGCTGG	1010
Db	135	TACCCAGGGTCTCTGCACAGTGACCTTCACAGCAGTTGTTGGAGTGGTTTAAAGAGCTGG	76
QY	1011	TGTTTGGGGACTCAATAAACCCCTCACTGACTTTTTCAGCAATAAGCTTCTCATCAGGGTT	1070
Db	75	TGTTTGGGGACTCAATAAACCCCTCACTGACTTTTTCAGCAATAAGCTTCTCATCAGGAAA	16
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Db	15	AAAAAAAAAAAAAAAA	1

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